7/14/83 S7895-1 (U) a

13

THIRTEENTH ANNUAL REPORT
TO THE GOVERNOR AND THE LEGISLATURE
UTAH STATE BOARD OF

REGENTS

1981-82

Published Winter 1982

Preface

This report is submitted in fulfillment of the State Board of Higher Education's statutory obligation to report annually to the Governor and Legislature of the State of Utah.

It does not replace, substitute for, nor duplicate the necessary financial and other reports regularly issued by each member institution of the Utah System of Higher Education. Such documents, together with catalogs and other information, are available from the offices of the various college and university presidents.

Appreciation is acknowledged to Edward J. Peters, especially, and to all members of the staff for their assistance to him, in compiling and editing the detailed information contained in this report.

Arvo Van Alstyne
Commissioner of Higher Education

THIRTEENTH ANNUAL REPORT TO THE GOVERNOR
AND THE LEGISLATURE
UTAH STATE BOARD OF REGENTS
1981-82

Published by the
Office of the Commissioner of Higher Education
UTAH STATE BOARD OF REGENTS
807 East South Temple St., Suite 204
Salt Lake City, Utah 84102
January, 1983

The Utah State Board of Regents faces major problems concerning growth and budgetary restrictions.

Through the dedicated efforts of Regents, coupled with the cooperation and guidance of legislative and governmental agencies, progress has been made in developing and implementing solutions which are in the best interest of Utah's citizens.

In developing answers to higher education's challenges, two concepts are always kept in mind: First, Utah's historical commitment to provide quality education to all potential students and second, a conservative fiscal policy which insures the maximum beneficial return on moneys invested in its educational system.

A recent survey from Utah colleges and universities showed that many students were turned away when they tried to register for classes this fall. With a recession and people out of work, demand on the institutions is high--coming just when we can least afford to supply it. The institutions are caught in a two-way bind--increasing enrollments and budget cuts. Since 1978-79, total college and university enrollment has increased 14.6 percent. The total increase absorbed by the system of higher education during this three-year period exceeded the total combined enrollment of Snow College, Dixie College, College of Eastern Utah and Southern Utah State College.

After many months of discussion and study the Board approved a "Policy on Roles and Access in the Utah System of Higher Education." These policy guidelines are for the management of future growth, consistent with the Regents' insistence upon quality education and the policy of maintaining access to higher education for all Utah citizens who are capable of benefiting from it. Close articulation with secondary education will be maintained to insure that high schol graduates are prepared to do college level work with minimum remedial classes. Competition for available space will necessitate better preparation for higher education instruction.

Improving vocational education programs and opportunities was carefully studied during the past year with positive results. Joint studies were conducted with the State Board of Education, Legislative Committees, the Governor's Office and other interested groups and individuals. Many excellent recommendations regarding governance, training programs and both short and long range goals were developed and, hopefully, will be implemented in the near future. There will be ongoing studies in this important area.

The Regents approved a request to the Governor, Building Board, and Legislature for funding through appropriations, mineral lease funds and a proposed bond issue of a total of approximately $55.3 million worth of new and remodeled campus buildings and other facilities. The Building Board has incorporated $44.7 million of these requests in its recommendations to the Governor and the 1983 Legislature. If approved, they will provide substantial and vitally needed physical improvements on all nine campuses in the System.

Many challenges face the Regents in providing quality education to the students in this state. The Regents are dedicated to the task of providing correct solutions to insure that Utah will continue to be an innovative national leader in providing the finest educational opportunities available anywhere in the United States.

Submitted with gratitude,
Kem C. Gardner, Chairperson
State Board of Regents

TABLE OF CONTENTS

Foreword ii

Table of Contents v

Members, Utah State Board of Regents vii

Utah Joint Legislative Interim Study Committee on Higher Education viii

Member Institutions and Presidents, Utah System of Higher Education ix

Institutional Councils and their Members x

State Board of Regents Committees and Members. xii

Regent Picture xiii

Administrative Staff xiv

I. Commissioner's Report 1

- 1982-83 Budget 2
- Enrollment Growth 2
- Presidential Changes. 3
- Student Loans 3
- Academic Planning 3
- Vocational Education 4

II. Events of the Year 5

III. Academic Affairs 15

- Programs Approved 17
- Programs Denied, Discontinued, or Terminated 19
- Changes in Academic Programs 19
- Exclusive Role Assignments 1981-82 21
- Changes in System Policies 21
- Master Plan Report 22
- Studies in Progress 22
- Cooperation with WICHE, 1981-82 23
- Figure 1 - Degrees Conferred Comparative Chart, 1972-73 - 1982-83 24
- Index of Tables 25

IV. Budgets and Finance 64

Figure 1 - Higher Education Systemwide Appropriations 1970-71 through 1981-82 65
Tables Index 66
Utah Guaranteed Student Loan Program 67
Internal Audit Section 68

V. Planning 75

Statewide Educational Television 76
Veterans Education Approval Program 78
Figure 1 - Enrollment Planning Model 82
Figure 2 - Utah System of Higher Education Academic Year FTE Projected 1982-83 Through 1994-95 83
Figure 3 - Post High School Intentions 1973-82 84
Figure 4 - Autumn Quarter Enrollment 85
Tables Index 86

VI. Capital Facilities and Campus Planning 104

Tables Index 107

VII. Profiles of Member Institutions 112

Utah's Colleges and Universities 50-Mile Radius of a Higher Education Facility 113
University of Utah 114
Utah State University 116
Weber State College 119
Southern Utah State College 120
Dixie College 122
Snow College 124
College of Eastern Utah 126
Utah Technical College at Provo 128
Utah Technical College at Salt Lake 130

Index 132

MEMBERS, UTAH STATE BOARD OF REGENTS

Established 1969

	Terms Expire
Kem C. Gardner, Chairman, Salt Lake City	1985
W. Hughes Brockbank, Vice-chairman, Lewiston	1985
Ralph S. Blackham, Moroni	1985
E. LaMar Buchner, Ogden	1985
J. Lynn Dougan, Salt Lake City	1983
George C. Hatch, Salt Lake City	1983
Donald. B. Holbrook, Salt Lake City	1987
Reba L. Keele, Provo	1987
Mrs. Mary D. Lunt, Cedar City	1983
Ernest D. Mariani, Salt Lake City	1987
Neal A. Maxwell, Salt Lake City	1987
David S. Monson, Salt Lake City	indef
Robert L. Newey, Ogden	1983
Wayne Owens, Salt Lake City	1987
Rex G. Plowman, Lewiston	1983
Richard S. Southwick, Ogden	1983
Glen L. Taggart, Logan	1985

Arvo Van Alstyne
Commissioner of Higher Education and Chief Executive Officer

UTAH JOINT LEGISLATIVE STUDY COMMITTEE ON HIGHER EDUCATION

Interim Period 1981-1982

SENATE

Senator Ronald T. Halverson, Ogden, Co-chairman
Senator Charles W. Bullen, Logan
Senator Lowell S. Peterson, Roy
Senator Karl Snow, Jr., Provo
Senator Frances Farley, Salt Lake City

HOUSE

Representative G. Lamont Richards, Salt Lake City, Co-chairman
Representative Norman H. Bangerter, Salt Lake City
Representative Mike Dmitrich, Price
Representative Clifford S. LeFevre, Clearfield
Representative Dix Holt McMullin, South Jordan
Representative D. Leon Reese, Magna
Representative Kim R. Burningham, Bountiful
Representative Lyle W. Hillyard, Logan
Representative Steven J. Rees, Salt Lake City
Representative Olene S. Walker, Salt Lake City

MEMBER INSTITUTIONS AND PRESIDENTS
UTAH SYSTEM OF HIGHER EDUCATION

Utah State Board of Regents, 807 East South Temple St.
Suite 204, Salt Lake City, 84102

Arvo Van Alstyne, Commissioner of Higher Education and
Chief Executive Officer

University of Utah (1850) Salt Lake City, 84112
David P. Gardner, President

Utah State University of Agriculture and Applied Science (1888)
Logan, 84322
Stanford Cazier, President

Weber State College (1889) Ogden, 84403
Rodney H. Brady, President

Southern Utah State College (1897) Cedar City, 84720
Gerald R. Sherratt, President

Snow College (1888) Ephraim, 84627
Steven D. Bennion, President

Dixie College (1911) St. George, 84770
Alton L. Wade, President

College of Eastern Utah (1937) Price, 84501
James R. Randolph, President

Utah Technical College at Provo (1941), 84601
J. Marvin Higbee, President

Utah Technical College at Salt Lake (1947) Salt Lake City 84107
Orville D. Carnahan, President

THE INSTITUTIONAL COUNCILS AND THEIR MEMBERS

UNIVERSITY OF UTAH
(Salt Lake City)

John A. Dahlstrom, Chairman, 1983
Desmond J. Barker, Jr., Vice Chairman, 1983
Reed Brinton, 1983
Randy L. Dryer, 1985
Richard W. Giauque, 1985
DeAnne Hanson, 1985
Gordon E. Harmston, 1985
Aline Skaggs, 1983
D. Brent Scott (Alum Pres)
John Zaratzian (SB Pres)

UTAH STATE UNIVERSITY
(Logan)

Glen J. Mecham, Chairman, 1985
Leah D. Parkinson, Vice Chairman, 1983
James E. Brown, 1983
John T. Caine, 1985
W. Eugene Hansen, 1985
Roy L. Holman, 1983
Leonard W. McDonald, 1985
Janet Cannon Randall, 1985
Carlos Smith, Jr. (Alum Pres)
Mont Wright (SB Pres)

SNOW COLLEGE
(Ephraim)

Arthur Nielsen, Chairman, 1983
LaGrande H. Terry, Vice Chairman, 1983
Paul Frischknecht, 1985
Jack H. Goaslind, Jr., 1983
Pat Greenwood, 1985
Clyde Swenson, 1983
Lucille Taylor, 1985
Cyndi Woodbury, 1985
Mark Howard (Alum Pres)
Jerry Ohrn (SB Pres)

WEBER STATE COLLEGE
(Ogden)

Roy C. Nelson, Chairman, 1983
Gwen S. Williams, Vice Chairman, 1985
Jerry Baker, 1983
Roderick H. Browning, 1985
Robert T. Heiner, 1985
Jane A. Marquardt, 1985
Harold C. Steed, 1983
John E. Ulibarri, 1985
Margaret B. Favaro (Alum Pres)
Bruce J. Richeson (SB Pres)

SOUTHERN UTAH STATE COLLEGE
(Cedar City)

Frank J. Petty, Chairman, 1985
James Hoyle, Vice Chairman, 1985
Joanna Adamson, 1983
Loretta Cline, 1983
Garn Huskinson, 1985
Clarence Miller, 1983
Michael Park, 1983
Dale O. Zabriskie, 1985
Brent White (Alum Pres)
Don Hulet (SB Pres)

UTAH TECHNICAL COLLEGE
(Provo)

Howard Pace, Chairman, 1985
Eris Y. Sumner, Vice Chairman, 1985
Edward B. Anderson, 1983
Charles L. Bates, 1985
Grant C. Burgon, 1983
Bruce T. Griffin, 1983
Robert E. Halladay, 1985
Boyd C. Sunderland, 1983
David A. Jacobson (Alum Rep)
Scott Banasky (SB Pres)

INSTITUTIONAL COUNCILS (CONTINUED)

DIXIE COLLEGE
(St. George)

Derrill C. Larkin, Chairman, 1985
M. Truman Bowler, Vice Chairman, 1985
Jay R. Bingham 1983
Douglas I. Hunt, 1985
Omar Kader, 1985
G. Wayne Shamo, 1983
Sandra W. Wilkins, 1983
Randy W. Wilkinson, 1983
Edward Bowler (Alum Pres)
Bruce Woodbury (SB Pres)

COLLEGE OF EASTERN UTAH
(Price)

Gordon Newbold, Chairman, 1985
LaVon Day, Vice Chairman, 1983
Ralph T. Coates, 1983
Terry Fry, 1985
O. W. Phelps, 1985
Gary F. Prazen, 1983
Bruce Shumway, 1983
Flora Weggeland, 1985
Janis Blake (Alum Pres), 1982
David Spencer (SB Pres), 1982

UTAH TECHNICAL COLLEGE
(Salt Lake)

Richard S. Prows, Chairman, 1985
Jerrald Conder, Vice Chairman, 1983
Harry Blundell, 1985
Lenore Edmunds, 1983
Louise A. Henson, 1985
John H. Klas, 1983
F. Warren Nuesmeyer, 1983
Mose Watkins, 1983
Ingrid Sanz (Alum Pres)
Michael M. Durrant (SB Pres)

UTAH STATE BOARD OF REGENTS COMMITTEES AND MEMBERS

EXECUTIVE

Kem C. Gardner, Chairman
W. Hughes Brockbank, Vice Chairman
George C. Hatch
Donald B. Holbrook
Reba L. Keele
Neal A. Maxwell

CAPITAL FACILITIES

Robert L. Newey, Chairman
Wayne Owens, Vice Chairman
Kem C. Gardner
Mary Lunt

BUDGET AND FINANCE

J. Lynn Dougan, Chairman
E. LaMar Buckner, Vice Chairman
W. Hughes Brockbank
David S. Monson
Ernest D. Mariani

CURRICULUM, ROLES AND VOCATIONAL-TECHNICAL

Rex G. Plowman, Chairman
Reba L. Keele, Vice Chairman
Richard S. Southwick
Glen L. Taggart

MASTER PLANNING AND GOVERNANCE

Donald B. Holbrook, Chairman
Neal A. Maxwell, Vice Chairman
Ralph S. Blackham
George C. Hatch

Members of The Utah State Board of Regents

January, 1983

From Left, Top Row descending: Rex G. Plowman; W. Hughes Brockbank, vice-chairman; Kem C. Gardner, chairman; Arvo Van Alstyne, commissioner and chief executive officer; Ralph S. Blackham; J. Lynn Dougan; E. LaMar Buckner; George C. Hatch; Donald B. Holbrook; Reba L. Keele, Ernest D. Mariani; David S. Monson; Mary D. Lunt; Neal A. Maxwell; Robert L. Newey; Wayne Owens; Glen L. Taggart; and Richard S. Southwick.

ADMINISTRATIVE STAFF, OFFICE OF THE COMMISSIONER OF HIGHER EDUCATION

807 East South Temple Street, Suite 204
Salt Lake City, Utah 84102
Telephone (801) 533-5617
(January 1983)

Commissioner of Higher Education and Chief Executive Officer of the Board	Arvo Van Alstyne, J.D.
Executive Assistant	Harden R. Eyring, J.D.
Administrative Secretary	Joyce B. Fox
Information Officer	Edward J. Peters, B.S.

Associate Commissioner for Academic Affairs	Eugene T. Woolf, Ph.D.
Assistant Commissioner for Academic Affairs	
Assistant Commissioner for Allied Health and Vocational Programs	David R. Terry, Ph.D.
Secretary	Lu Larson
Research Assistant	Berniece Goebel

Associate Commissioner for Planning	Don A. Carpenter, Ph.D.
Director of Institutional Research	Russell C. Richards, B.S.
Coordinator of Statewide TV	T. M. (Tad) Williams, Ph.D.
Assistant Commissioner for Veterans Education and Proprietary Schools	Sterling R. Provost, Ph.D.
Director of Special Projects	Lou Jean Flint, Ed.S.
Education Information Center	Kristin Dobson, M.S.
Secretary	Vivian Taylor
Secretary	Janet Demman

Associate Commissioner for Finance	C. Gail Norris, M.S.
Director for Budgets	Derald V. Johnson, M.B.A., C.P.A.
Assistant for Budgets and WICHE Certifying Officer	Renae Richards
Director of UHEAA; Administrative Assistant for Internal Affairs	Hefin Jones, M.B.A.
Supervising General Auditor, Deputy Executive Director Utah Student Loan Program	Richard O. Davis, C.P.A.
Administrative Assistant Utah Student Loan Program	Kathryn Chestney
Auditor, Assistant Executive Director Utah Student Loan Program	Dennis Walden, C.P.A.
Auditor	Aman Kudiya, B.C.
Auditor	Richard Tomlinson, C.P.A.
Bookkeeper	Pauline Chee

I. COMMISSIONER'S REPORT

Arvo Van Alstyne
Commissioner of Higher Education
and Chief Executive Officer
Utah State Board of Regents

Several significant steps were taken during 1981-82 to streamline the Office of the Commissioner in the interest of improved relations with the institutions, the Regents, the State Board of Education, legislative leaders, and the governor. All members of the Commissioner's staff were transferred to institutional payrolls at the request of the State Auditor, which is symbolically important in preserving the quasi independence of higher education from executive and legislative offices of state government. Through more extensive use of staff work, meetings of the Board of Regents have been reduced to one-day each month instead of two, a departure which has been heralded as a significant achievement by both members of the Board of Regents as well as institutional representatives. Relationships between the Commissioner's Office and the Council of Presidents have improved measurably, as the Presidents have pulled together to become a more cohesive and effective planning force for Utah higher education. A Liaison Committee with representation from the State Board of Education and the State Board of Regents has met regularly to promote better understanding and reduce conflict and improve cooperation between the two boards and their constituencies.

I have described above a few of the major thrusts of the Commissioner's Office during 1981-82. I will now attempt to briefly summarize more specific actions and achievements of the State Board of Regents and the 45th Legislature during this past year.

1982-83 Budget

During the 45th Legislative Session, a budget of $258,602,977 was approved by the Legislature for higher education. This figure compares with a budget of $233,242,500 approved for Utah's nine colleges and universities during 1981-82.

Enrollment Growth

Academic year 1981-82 was the third consecutive year in which the Utah System of Higher Education experienced significant enrollment growth in both headcount and FTE students. Systemwide FTE enrollments grew to 49,944 during the fall of 1981, a 2.3 percent increase over the 48,807 students enrolled during the fall of 1980. Meanwhile headcount enrollments grew from 59,223 in the fall of 1980 to 61,352 for the fall of 1981. These figures represent an increase of 1,137 FTE students or 2,114 headcount students during this one year period. A growing difference between student headcount and FTE enrollments indicates that an increasing number of students are pursuing higher education on a part-time basis and taking a longer period of time to complete their educational studies.

Presidential Changes

Two new presidencies were filled in the Utah System of Higher Education since the last annual report was presented to the Legislature. Dr. J. Marvin Higbee was appointed President of Utah Technical College at Provo by the Regents to replace Wilson Sorenson who retired. Dr. Steven D. Bennion, Associate Commissioner for Planning was appointed to the presidency of Snow College replacing Dr. Higbee.

Student Loans

The Utah State Board of Regents approved a short-term credit facility with the Morgan Guaranty Trust Company of New York and other leading institutions (including Utah banks) to provide $50 million dollars with which to support the purchase of guaranteed student loans. The continued operation of this secondary market for such loans is essential to the continued operation of the Utah Guaranteed Student Loan Program, thereby providing greater access to higher education for Utah students needing financial assistance.

Academic Planning

A comprehensive program review procedure was initiated during 1981-82 in which one-fifth of the programs at the twoand four-year colleges, and approximately one-seventh of those offered at the universities were reviewed internally by the institutions and evaluated by the Office of the Commissioner. The Board also approved a new policy regarding the transfer of credit among system institutions. This policy provides general guidelines for effecting improved articulation for transferring students.

The Regents strengthened the ongoing master planning effort by approving an important basic policy position paper regarding institutional roles and access to postsecondary education. This planning document includes major guidelines on admissions standards, remediation, coordination with public education, the transfer of credits, institutional roles and missions, resident/nonresident student mix on the campuses, and governance.

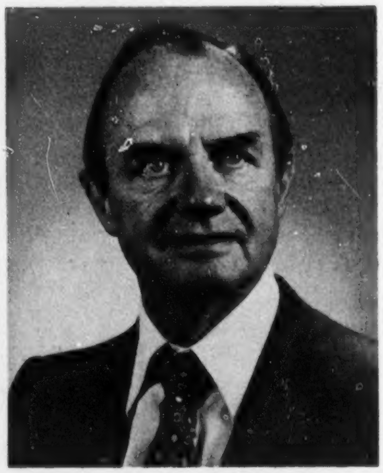
Vocational Education

Under direction from the Office of Academic Affairs, a statewide review of vocational-technical programs was conducted, and an eight-point plan to improve communication and coordination with the State Board for Vocational Education was adopted.

Summary

I have become increasingly impressed by the commitment of the Regents, Institutional Presidents, faculty and staff of Utah's higher education institutions, and the staff of the Commissioner's Office, all of whom are dedicated to providing quality educational opportunities for Utah's population. In spite of much economic stress and in the face of continued enrollment growth, the people of Utah and their elected officials have continued to demonstrate a strong commitment to the traditional values and benefits of offering excellent higher education opportunities to those who seek further learning.

It is a pleasure for me to represent the Office of the Commissioner, the Utah State Board of Regents, and the Council of Institutional Presidents in submitting this 13th Annual Report of the status of Utah higher education to the Governor and the Legislature. We all pledge to serve the people of Utah well. We resolve to maintain full cooperation with a supportive Legislature and Governor in the service of Utah students, taxpayers, and others whose trust we continually hope to merit.



Arvo Van Alstyne
Commissioner of Higher Education
and Chief Executive Officer
Utah State Board of Regents

II. EVENTS OF THE YEAR

Sept. 16-17, 1981

Career Center Facility, Snow College. President Higbee reported that the Entwhistle Corporation had agreed to sell their property in Ephraim. The recommendation of the Board was to request a one-time supplemental appropriation of $600,000 from the 1982 Legislature to purchase the "Road Runner" facility in Ephraim for use by Snow College to house its vocational programs, and to authorize President Higbee to engage in additional negotiations with the property owner.

Two-Year College Conference. It was announced that the sixth annual two-year college conference would meet on the Orem Campus of the Utah Technical College/Provo on Friday, September 18, 1981. The principal speaker who would also conduct workshops and other meetings with college delegates would be Dr. William Glasser, M.D. of Los Angeles, a nationally known psychiatrist, educator and author.

Ph.D. and M.S. in Human Genetics, U of U. Regent Reba Keele noted that the University of Utah had requested approval to create a new Department of Human Genetics and to offer M.S. and Ph.D. degrees in Human Genetics. The Request was approved by the Board.

Annual Budget Hearings. To set the stage of the institutional presentations, Commissioner Arvo Van Alstyne presented an overview of the budget requests. Chairman J. Lynn Dougan then conducted the annual budget hearings with the institutions of the Utah System of Higher Education.

Student Loan. Matters relating to the student loan program were considered by the Board and resolutions passed which would expand the program and the servicing of approximately $14 million of student loan money.

October 8, 1981

Tanners Honored. The Board adopted a resolution honoring Obert C. and Grace A. Tanner. Chairman Gardner noted that the Tanners have greatly enriched the lives of countless Utahns over the years, through their generous nourishment of the arts and contributions to Utah higher education.

Budget Requests. The Regents will ask the 1982 Legislature for $266.1 million to run the state's nine public colleges and universities. This budget request represents a $39.5 million (17.5 percent) increase and calls for an 8 percent tuition increase for resident students.

Skills Center Award. On October 23, 1981, U.S. Secretary of Education, Dr. T. H. Bell, presented an award of recognition to the Weber State College Skills Center as the oustanding vocational school in the region. The Center was cited as an outstanding example of providing training leading directly to employment opportunities and was praised for its innovative program directed at training students for entry-level employment through a balanced program of academic and hands-on experience.

November 17, 1981

Enrollment Increases. The Regents received a report from Arvo Van Alstyne, Commissioner of Higher Education, that the state's overall enrollment had increased for Fall Quarter 1982, despite a decline in the number of non-resident students registering. He further advised that the decline in non-resident students was the result of fewer freshmen from out of state enrolling in Utah schools, and not an increase in reclassification from non-resident to resident status. The non-resident student decline, however, was more than offset by an increase in Utah resident students.

Legislative Bills. The Regents agreed to sponsor a bill in the 1982 Budget Session that would authorize the state to participate in the PLUS program, under which parents could obtain federally subsidized and guaranteed loans for their children's college education at 14% interest. Unlike loans to students, who pay only 9% interest and begin payments 6 mnonths after leaving school, parents would begin payments within 60 days of obtaining such loans.

The Regents will also sponsor legislation in the 1982 Budget Session that would permit Utah colleges and universities to exchange students from nearby states on a reciprocity basis similar to a plan sponsored by the Western Interstate Commission on Higher Education. This would allow some non-resident students to attend Utah schools at a reduced rate and may help to reduce the decline of non-resident enrollments at Utah State University, Dixie College, and Southern Utah State College.

Student Loans. Regents authorized the borrowing of $23 million from a consortium of banks headed by Morgan Guarantee Trust Company to be represented by the issuance of $23 million in student loan notes. With the $12 million authorized last month, the state now has approved the borrowing of $35 million to finance the guaranteed student loan program this year.

Life-span Learning Center. Regents attended a dedication ceremony for the new Utah State University $7.2 million Life-Span Learning Complex, which was funded in part by a major gift from the W. K. Kellogg Foundation. The complex, which includes a conference center, a residence center and a parking terrace, was funded entirely from non-state appropriated sources.

December 15, 1982

Legislative Bills. The Board received drafts of four bills to submit for legislative consideration in the 1982 budget session. They are (1) Proposed amendments to Higher Education Assistance Authority Act; (2) Proposed amendments to Higher Education Loan Act; (3) Proposed amendment terminating WICHE support for Utah students who change their residence; and (4) Proposed new statute authorizing reciprocal agreements for the waiver of non-resident tuition differentials.

New President at SUSC. Dr. Gerald Sherratt was named as President of Southern Utah State College, effective January 1, 1982. Dr. Sherratt is presently a Vice President at Utah State University.

Master Plan for Social Work. The Board approved Commissioner Van Alstyne's recommendation regarding increased work-study funding by the State of Utah. The Commissioner recommended that the state funds allocated as matching dollars for the National Direct Student Loan Program (which is being phased out) be shifted by the Legislature to the Work-Study Program and that institutional efforts to develop a Job Location and Development Program on each campus be encouraged in the use of such state work-study funds.

Governance of Vocational Education. The Commissioner reported on the meeting of the Joint Liaison Committee of the Utah State Board of Education and Utah State Board of Regents held on December 14, 1981. The Board agreed to refer thirteen policy options, together with the balance of the Final Report of the Ad Hoc Committee on Governance, to the Regents' Committee on Master Planning and Governance, for review and recommendation to the Board of Regents at its meeting on January 19, 1982.

President Sorenson Resigns. The Board accepted Wilson Sorensen's resignation as President of UTC/Provo, effective June 30, 1982. Mr. Sorenson will retire after 37 years of service.

January 19, 1982

Student Loan Program. The Board approved modifications in the existing contracts between the Board of Regents and Utah Education Loan Services, Inc. and UHEAA and UELSI in the form recommended by Assistant Attorney General Moench, and authorized Commissioner Van Alstyne to execute appropriate written agreements to that effect.

Critical Choices in Higher Education Conference. Over 100 leaders convened at the University of Utah on Saturday, January 9th to discuss Critical Choices in Higher Education. Speakers included Dr. David P. Gardner, President of the University of Utah who addressed the topic "The Challenge of Quality in a Period of Growth;" Dr. Harold L. Enarson, former President of Ohio State University who spoke on "Challenges Facing the States with the Demise of Federal Funding;" and Dr. Patrick M. Callan, Exec. Director of California Postsecondary Education Commission, who spoke on "Coordinating Resources to Promote Quality in Higher Education."

Television Proposal. An Executive Committee report to the Board indicated that studies are under way to try to implement a television proposal for joint licensing between the Ogden Standard Examiner and Weber State College. A legal analysis from the Attorney General's office has been requested.

UTC/SL Skills Center. The Board agreed unanimously that the UTC/SL Skills Center be maintained at a downtown location and instructed President Carnahan to head up a study of alternate locations for the permanent establishment of that center.

WICHE Allocations. The Board approved the following recommendations pertaining to WICHE allocations: (1) Existing levels of support for entering positions be maintained in Veterinary Medicine, Optometry and Podiatry for the 1982-83 academic year; (2) The number of entering positions in Dentistry be increased from 5 to 8; and (3) a more extensive analysis and recommendation will be forthcoming next year which includes manpower needs projects for each of the areas and draws from the WICHE study results.

February 16, 1982

1982 Legislative Appropriations. The total increase in budget for the Utah System of Higher Education is $27,432,600 or 12.02 percent. Of the total amount, the increase in appropriations was $22,805,700 or 13.14 percent over the current year. The total 1982-83 legislative appropriations for USHE, including other related items, was $255,688,600 compared to $228,256,000 in 1981-82.

Capital Improvement appropriations for higher education totalled $3,807,000 which represented 54.1 percent of the $7,036,000 state total. In addition, $2,500,000 was appropriated for Code Compliance, Roof Repairs and Parking Lot Repairs in which higher education will share in some unknown amount. Higher education will also participate in the use of a $1,000,000 appropriation to the Building Board for Energy Conservation Implementation.

Legislation Enacted. Commissioner Van Alstyne submitted a "Report of Legislation Considered by 1982 Session of the State Legislature." It covered bills enacted, as well as those not enacted, which are of interest to higher education. Among the measures enacted were: H.B. 10 relating to the collection of student loans; H.B. 12 and S.B. 85 authorizing full retirement costs to be paid for all eligible employees in the Utah System of Higher Education; H.B. 103 authorizing reciprocal agreements for non-resident tuition waivers in cooperation with WICHE offi- cials; H.B. 105 amending various provisions relating to the Student Loan Program; S.B. 4 authorizing an experimental A.S. degree program at UTC/SL; S.B. 55 authorizing Student fee bonds of UTC/P for enlargement of the Student Center.

Legislative Interim Studies. The Commissioner was instructed to participate in consultation with the presidents and the Board upon the following interim studies authorized by the 1982 budget session: Cable Television; Industrial Training for Utahns; Group Contract Purchasing; Vocational Education Coordinating Commission; Private Enterprise Study; State Constructed Buildings; Computer Services in Higher Education; Resident-Nonresident Enrollments in Graduate Programs; WICHE Program Review; Mining Technology Program at CEU; and Tuition Remission Policies.

Ogden-Weber Area Vocational Center. The Board approved the continued participation by Weber State College in the planning and administration of the Ogden-Weber Area Vocational Center, with the understanding that WSC will keep the Regents advised of the progress of planning efforts. In addition, the Regents agreed that, acting through the Joint Liaison Committee, they will request the State Board for Vocational Education to involve the Regents and appropriate institutions of higher education in a study of the "differences and similarities among the area vocational centers and skills centers" as required in item 192 of the Appropriations Act.

Liaison Committee Report. The Board received a report of the Liaison Committee meeting held on February 8, 1982 including:

agreement for joint sponsorship of a Vocational Technical Conference on March 5, 1982; agreement on implementation of Governance improvements as recommended by the Ad Hoc Committee on Governance; and commencement of discussion on the Master Plan for Addressing Eight Critical Issues Affecting Education in the '80s.

March 16, 1982

GOTCHA Program. The Regents approved regulations to implement the GOTCHA program (HB 10, 1982 Budget Session) for collection of delinquent or defaulted student loans. The statute establishes procedures under which borrowers who are in delinquency or default are notified of the intent of the institution to obtain a lien against any tax refunds owed by the state to the borrower, as a means of assisting in the collection of amounts due under the student loan.

1981-82 Enrollments. An overview of winter quarter enrollments showed that student retention from fall to winter quarters a year ago was noticeably above previous years; however, retention this year returned to a more normal level. More students are attending school full time at the two technical colleges and the enrollment of women 25 and older has increased dramatically the past six years. Systemwide, Fall and Winter FTE enrollments increased 2.3 and 0.6 percent, respectively, as compared with last year.

Enrollment Management. President David P. Gardner and Dean Frank McKean of the University of Utah presented a "Progress Report on Planning for Enrollment Management to Assure the Continued Quality of Educational Programs at the University of Utah."

The Regents reviewed the University of Utah's plans to increase admission requirements. President Gardner said the policy, which might be imposed in the Fall of 1986, is not an attempt to limit enrollment but would ensure that students prepare for university work while in high school. The academic level of entering freshmen has declined steadily and nearly 30 percent now score in the lowest quartile on college entrance tests. This compares to less than 10 percent 10 years ago. Admission standards should be set and carefully communicated to high school officials and students, so that students may plan ahead by choosing early between academic and vocational-technical careers.

The Regents' Curriculum and Roles Committee expressed support, stressing that all students should have access to some type of higher education at some institutions in the state.

Board Member. Former President of Utah State University, Dr. Glen Taggart has been appointed by Governor Scott Matheson to replace retiring Regent Jay Dee Harris.

Executive Committee. The Board of Regents elected Regent Reba L. Keele, of the Department of Organizational Behavior at BYU as a member of the Board's Executive Committee following the retirement of Regent Jay Dee Harris.

April 20, 1982

Liaison Committee SBOR/SBOE. The 13 guidelines for cooperation between the Regents and the State Board of Education, as proposed by the Liaison Committee of the two boards and approved by the State Board of Education, were approved by the Board of Regents.

Equal Employment Practices. The Board reaffirmed its continuing commitment to fair and equal employment practices within the Utah System of Higher Education, and urged each institution to cooperate with the Governor and other interested officers and agencies of the State of Utah in order to carry out the purposes reflected in the amended Executive Order issued by the Governor on January 12, 1982.

Financing Public Education. Regents were encouraged to attend a Joint Conference on Financing Public Education scheduled for May 19, 1982, sponsored by the Utah State Board of Education and the Utah State Board of Regents. The purpose of the conference is to better understand and carefully plan for financial measures and programs that will provide quality and excellence in education.

Transfer of Credit. A general statement of principle regarding the transfer of credit within the System was approved by the Board. A specific policy was adopted allowing the transfer of credits for the completion of general education requirements among the nine schools by students who have attended a school that does not offer an associate degree upon the completion of such work.

May 18, 1982

New President of UTC/Provo. J. Marvin Higbee was formally appointed President of Utah Technical College at Provo, effective June 1, 1982.

Dean Robert Stoddard was appointed Acting President at Snow College to replace President Higbee.

Purchase of Student Loans. The Board authorized the Commissioner to proceed to negotiate for an additional line of credit available for purchase of student loans in the Guaranteed Student Loan Program upon terms and conditions substantially identical to those which characterize the existing $50,000,000 line of credit from Morgan Guaranty Trust Company.

Resolutions. Presentations honoring Mr. Jay Dee Harris, former member of the Board of Regents and Dr. Walter D. Talbot, retiring State Superintendent of Public Instruction were made.

Public Relations Program. The Regents' Public Relations Committee, which will seek to develop plans for educating the public and public policy makers on the future needs of higher education in Utah, took under consideration possible alternative courses of action. Regent George Hatch is the Chairman of that Committee and LaMar Buckner, the Vice Chairman.

June 15, 1982

PLUS Loan Program. The Board acting in its capacity as the Utah Higher Education Assistance Authority, authorized implementation of the Parent Loans for Undergraduate Students (PLUS) program in Utah beginning in the Fall of 1982, pursuant to federal requirements and authorized procedures.

Capital Facilities Requests 1983-84. Each institution reviewed its capital facilities funding requests for 1983-84 with the Board. The Regents are expected to prioritize and take action on these requests at the July meeting, pursuant to recommendations from the Capital Facilities Committee.

U ofU Admissions Policy. The Board endorsed some academic achievement standards, which have been promulgated by the University of Utah as prerequisites to regular admission of students beginning with the Autumn Quarter of 1987, and commended the University for having developed such a policy. In doing so, the Board noted that the standards did not include numerical limitations or grade point average requirements, but only defined the scope of courses applicants were expected to complete before entering the University on a fully matriculated basis, and indicated its intention of discussing at the July meeting whether curricular requirements of this kind should be regarded as within the scope of powers that have been delegated to the Institutional Councils.

Student Enrollment. Commissioner Van Alstyne presented a report on enrollments at the various colleges and universities in the Utah System of Higher Education for the 1981-82 academic year, noting that enrollments this year were at an all-time high. An average of 57,890 students (an increase of 1,926 or 3.4% over 1980-81) enrolled each quarter to produce 47,116 academic year FTE students (an increase of 768 FTE students or 1.7%), the largest student population ever served by the Utah System of Higher Education

July 19 & 20, 1982

Student Regent. Richard S. Southwick, a student at Weber State College, was welcomed as the new student member of the Board of Regents. He replaces Holly Sloan, University of Utah, who completed her one-year term. Ms. Sloan was praised by the members of the Board for her distinguished service and excellent qualities of leadership.

Student Loan Actions. The Board of Regents and the Utah Higher Education Assistance Authority authorized additional borrowing of $30 million for secondary market purposes of the Utah Guaranteed Student Loan Program and the issuance of Student Loan Notes for this purpose.

Capital Facilities. The Regents approved a request for funding of a total of approximately $55.3 million worth of new and remodeled campus buildings and other facilities. This request will be submitted to the 1983 Legislature, and if approved, would provide substantial physical improvements on all nine campuses in the system. Included in the recommendations are a proposal to spend approximately $10.1 million in mineral lease revenue to build a science and engineering building at Utah State University, and a physical education facility and Mine Training Center at the College of Eastern Utah. Approximately $7.3 million was requested to repair and improve existing facilities.

III. ACADEMIC AFFAIRS

During the academic year 1981-82 several studies were undertaken by the Office of the Commissioner to advance systemwide interests in academic affairs. In compliance with guidelines established by the Board of Regents in July 1980, the internal review of all academic and vocational programs offered by the system's nine institutions was begun. Approximately one-fifth of the programs at the two and four-year colleges and approximately one-seventh of those offered by the universities were reviewed. Program reviews were forwarded to the Office of the Commissioner for detailed analysis as provided in Regental policy. The process was carried out by all institutions with a high degree of professionalism and credibility.

The Regents adopted a master plan report of the Ad Hoc Advisory Committee on Social Work/Social Services, which included eight recommendations differentiating role assignments among the institutions at the sub-baccalaureate, baccalaureate, and graduate levels in social work/social services education.

The Regents approved a policy affecting the transfer of credit which was expressed as a Statement of Principles and which offered general guidelines affecting articulation and transfer of credits outside as well as within the system.

Under the direction of the Regents, a paper was prepared for the Board which addresses the question of institutional roles and access to postsecondary institutions. The policy positions presented by the paper will have a significant impact on higher education in the years to come. Within the scope of roles and access, the subjects of admission requirements, credit transfer, remediation, coordination with public education, resident/nonresident student mix, and governance are addressed.

Plans were completed for the evaluation of the impact of the Associate of Science degree at Utah Technical College at Provo as a result of the college's first-year experience with the program and preliminary planning was entered into regarding evaluation of the Associate of Science degree authorized by the Legislature for Utah Technical College at Salt Lake.

Another undertaking by the Office of Academic Affairs was a systemwide review of vocational-technical programs at the eight institutions in the Utah System offering vocational-technical education and a plan to improve communication and coordination with the State Board for Vocational Education and its constituencies.

Academic Affairs in the Commissioner's Office is headed by Dr. Eugene T. Woolf, Associate Commissioner, with support from Drs. Don A. Carpenter and David R. Terry, Assistant Commissioners for Academic Affairs and for Allied Health and Vocational Programs, respectively.

The following report includes action taken by the Board of Regents and academic studies now in progress in the Commissioner's Office.

Programs Approved
1981-82

1. The Regents approved the International Irrigation Center at USU, conditional upon USU officials' stated comments that no state funds would be needed. (July)

2. The University of Utah received approval for the Department of Human Genetics and authorization to award Ph.D. and Master's degrees in Human Genetics. (July)

3. Undergraduate Certificates in Public Administration were authorized at the University of Utah, Utah State University, and Southern Utah State College. (July)

4. Utah Technical College at Provo received approval from the Regents to award an Associate of Applied Science degree in Early Childhood Development, pending the receipt and allocation of new state dollars. If the Legislature does not approve funding, UTC/P officials should establish priorities and indicate in advance to the Commissioner's Office what programs are to be deemphasized or discontinued in order to make resources available for this program. (September)

5. Regental approval was given for the establishment of the Ogden-Weber Career Center -an area vocational center for the greater Ogden-Weber County metropolitan area; basic funding will come through the Public Education Committee of the Legislature in the same manner as for other AVC's. (November)

6. Weber State College given authority to award an Associate degree in Corrections. (December).

7. Approval granted to the University of Utah to award a Degree of Electrical Engineer. (April)

8. The College of Eastern Utah authorized to negotiate with Glen Canyon Higher Education Committee to provided classes at Page, Arizona, this summer, on the following conditions: (a) the instructional costs of services rended by CEU will be defrayed from revenues made available pursuant to the contractual terms, so that no additional costs will be incurred by the taxpayers of Utah because of this program; (b) the contract be approved by the Attorney General's Office with respect to form and legality, and by the Commissioner of Higher Education for consistency with Regental policies, and (c) at the conclusion of the program, if it is mutually authorized by both Arizona and Utah officials, a report assessing the program and its possible continuation in future years, pursuant to additional contractual arrangements to be negotiated hereafter, be submitted to the Board of Regents. (June)

9. Regental authorization for continuation of existing contractual arrangement to provide vocational and technical training at the Utah State Prison given to Utah Technical College at Provo. (June)

10. Weber State College granted authorization to offer a Maintenance Technology Program providing program completion options at the Certificate and/or Associate Degree levels as follows: 1) one-year Certificate for Millwright Maintenance; 2) One-Year Certificate for Maintenance Helper; 3) Two-year Certificate for Maintenance Mechanic; and 4) Associate of Applied Science Degree for

Maintenance Technology. Funding for 1982-83 academic year will be derived from postsecondary vocational education "new program" funds made available through the State Board for Vocational Education from the Federal Vocational Act of 1963, as amended. If these funds terminate, WSC should establish priorities and indicate in advance to the Commissioner's Office which programs are to be deemphasized or discontinued in order to make other resources available to fund this program. (June)

11. An Associate of Applied Science Degree in Graphic Design was approved by the Regents for Weber State College. Funding for 1982-83 academic year will be derived from postsecondary vocational education "new program" funds made available through the State Board for Vocational Education from the Federal Vocational Act of 1963, as amended. If these funds terminate, WSC should establish priorities and indicate in advance to the Commissioner's Office which programs are to be deemphasized or discontinued in order to make other resources available to fund this program. (June)

Programs Denied, Discontinued, Terminated

1. The State Board of Regents approved the termination of the Regional Dental Education Program (RDEP) between the University of Utah and the University of Washington owing to lack of funds in view of the federal decision not to fund this program. (December)

Changes in Academic Programs

1. Approval granted Weber State College to change the name of the School of Humanities to the School of Arts and Humanities. (July)

2. Name change: College of Medicine to School of Medicine approved at the University of Utah. (July)

3. The University of Utah received Regental approval to reorganize the College of Health, designating Health Sciences, Physical Education, and Recreation and Leisure as separate departments, with Foods and Nutrition, and Physical Therapy remaining as divisions. (November)

4. The Department of Wildlife Science was renamed the Department of Fisheries and Wildlife at Utah State University, as approved by the Regents. (February)

5. Regental approval granted Utah State University to change the name of the Department of Forestry and Outdoor Recreation to the Department of Forest Resources. (February)

6. Name change: Curriculum in Outdoor Recreation offered in the Department of Forestry was changed to Recreation Resource Management at Utah State University as authorized by the Regents. (February)

7. The University of Utah received approval to change the name of the Department of Health Sciences to the Department of Health Education; graduate degree title changes to be consistent with earlier action when the College of Health was reorganized in November, 1981. (April)

8. Name change approved by Regents: Department of Industrial and Technical Education to the Department of Industrial Technology and Education at Utah State University, under the 45-day notification procedure. (April)

9. The Department of Health, Physical Education, and Recreation at Weber State College was renamed, with Regental approval, the Department of Health, Physical Education, Recreation, and Dance. (May)

10. The Regents approved the separation of the Department of Applied Statistics and Computer Science at Utah State University into two separate departments--Department of Applied Statistics, Department of Computer Science. (May)

11. The Regents approved the division of the Department of Business Administration into two separate departments at Weber State College--Department of Management, Department of Marketing and Finance. (June)

Exclusive Role Assignment

1. Weber State College was awarded an exclusive role assignment by the Regents in Security. The College was authorized to offer program completion options at the Certificate, Associate of Applied Science and Associate of Science degree levels, with funding to be derived from Federal vocational "new program" funds for the 1982-83 academic year. If new program funding is either reduced or not available for this purpose during the 1983-84 academic year, WSC will either make up the difference or fully fund the program beginning with the 1985-86 academic year. WSC should establish priorities and indicate in advance to the Commissioner's Office what programs will be deemphasized or discontinued in order to make other resources available to fund this program. (March)

Changes in System Policies

1. Expansion of the Dental Assisting Program into the Salt Lake Valley received Regental approval, in principle, with the Jordan School District; Utah Technical College at Provo authorized to offer the Dental Assisting courses only, while Utah Technical College at Salt Lake was authorized to provide only the related support and general education courses for the program. (November)

2. The Policy governing the Transfer of Credit for Completion of General Education Requirements was amended as follows: "An Associate of Arts or Associate ofScience degree earned at any institution within the Utah System of Higher Education will be considered as meeting the General Education requirements of any (other) institution in the System. When the General Education requirement of an institution not offering the Associate of Arts or Associate of Science degree in particular subject areas have been met in earning a 93 to 96 credit hour certificate or diploma, a

Registrar's certification that the transferring student has completed General Education requirements at the sending institution may be accepted by the receiving USHE institution in lieu of the AA/As degree." (April)

3. Regents adopted the "Policies Governing Transfer of Credit Within the System of Higher Education: Statement of Principles" statement. (April)

Master Plan Report

1. Regents adopted the "Master Plan for Social Work/Social Services Education" (December)

Studies in Progress

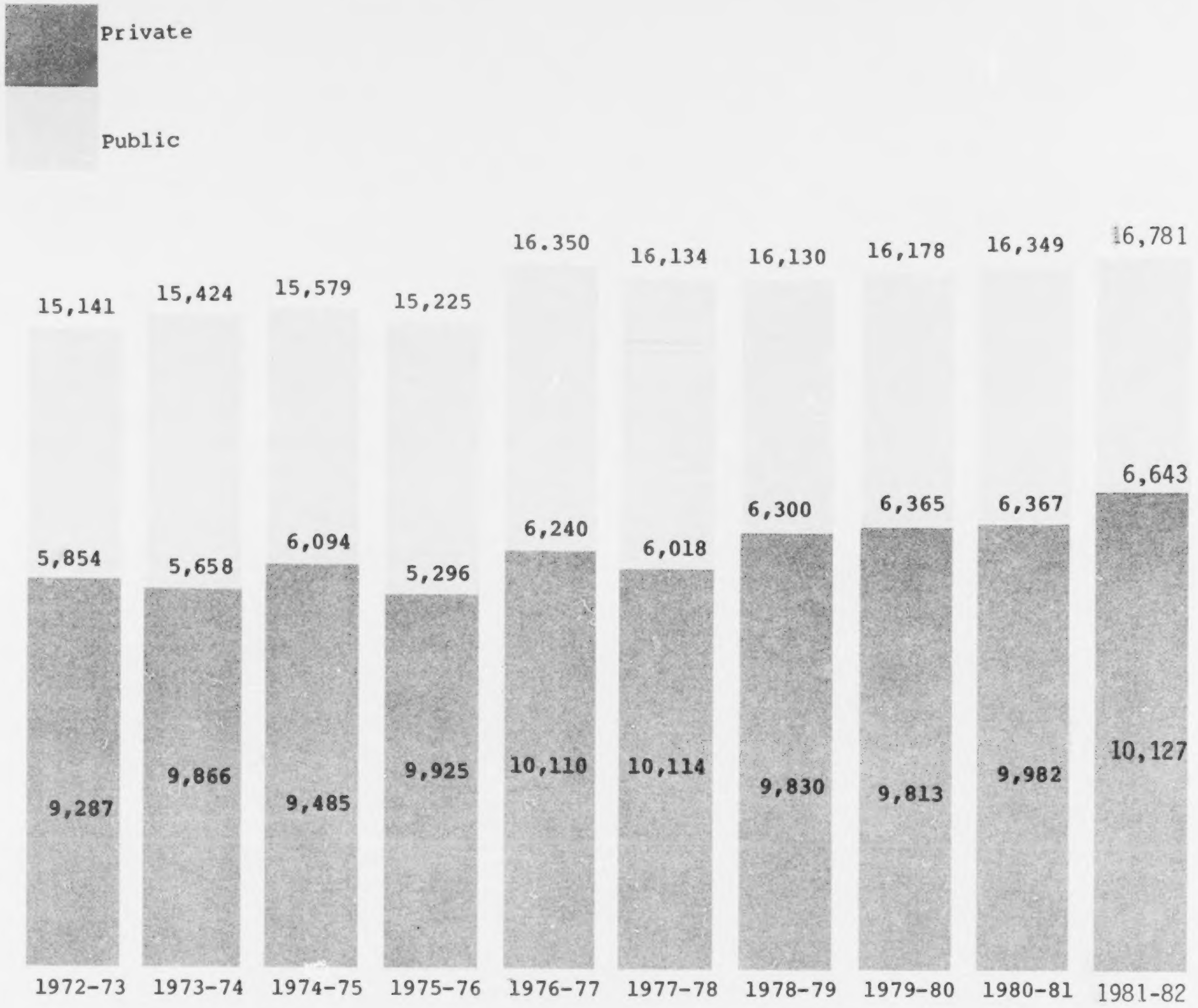
1. Issues Relating to Roles and Access in the Utah System of Higher Education.
2. Gerontology Programs in the Utah System of Higher Education.
3. Four-Year Mining Technology Program at the College of Eastern Utah.
4. B.A. in Film Studies at the University of Utah.
5. First Professional Accountancy Programs at Four-Year Institutions.
6. A.A.S. Degrees at Southern Utah State College.
7. Certificate in Family Living Skills at Dixie College.
8. Associate Degree Nursing Program at Utah Technical College at Provo.
9. Mexico/Utah Vocational Education-Related Exchange Program.
10. Regional Dental Exchange Program.
11. Reciprocity Agreements with Neighboring States.

COOPERATION WITH WICHE, 1981-82

The Student Exchange Program administered through the Western Interstate Commission for Higher Education (WICHE) assists Utah students in obtaining professional training in dentistry, veterinary medicine, optometry, and podiatry. Utah may receive students in medicine, physical therapy, pharmacy, public health architecture, law, and forestry under the interstate compact. Students who are certified pay the same fees as if they were residents of the receiving state or pay one-thrid of the regular tuition rate if attending a private institution. A 3.5 percent budget cut in 1980-81 resulted in a loss of seven WICHE positions for entering freshmen. As a result, the 1981 appropriation provided for only two entering freshmen in dentistry, three in optometry, and one in podiatry. In addition, 12 students were accepted at WICHE colleges in veterinary medicine. A contract with Kansas State University provides for the acceptance of up to three students per year at that institution. Three Utah students are currently studying at Kansas State under the contract, including one entering freshman. Continuing students receive the same assistance provided they maintain a satisfactory record.

In 1981-82 there were 48 Utah students in the veterinary medicine program, including the 3 students at Kansas State University; 15 in the dentistry; 18 in optometry; and 6 in podiatry. A total of $866,000 was paid in compact fees for these students and $46,300 was paid as Utah's annual membership fee. The University of Utah received nine medical students, two physical therapy students, and one law student in 1981-82 with compact fees of $141,534 for medicine, $20,268 for physical therapy, and $3,300 for law. In addition, Utah State University is a receiving school in forestry with three students and received support fees of $7,800. Total support fees received by the state in 1981-82 were $172,902.

Figure 1. Utah Degrees and Certificates Conferred
1972-73 Through 1981-82



Degrees, Certicates and Other Formal Awards Conferred
Public and Private Institutions 1972-73 through 1981-82.

INDEX OF TABLES

TABLE 1 Utah System of Higher Education, Total Degrees Awarded by Public and Private Institutions with Percentage Changes from Previous Years, 1976-77 Through 1981-82. p. 28.

TABLE 2 Utah System of Higher Education, Comparison of Degrees Conferred by Utah Public and Private Institutions by Level of Degree and Area of Study, 1972-73 and 1981-82. p. 29.

TABLE 3 Utah System of Higher Education, Bachelor Degrees Conferred by Public and Private Institutions, 1976-77 Through 1981-82. p. 30.

TABLE 4 Utah System of Higher Education, Bachelor Degrees Conferred by Public and Private Institutions and Area of Study, 1977-78 Through 1981-82. p. 31.

TABLE 5 Utah System of Higher Education, Total Bachelors' Degrees Awarded by Major Field of Study and Sex, 1981-82. p. 32.

TABLE 6 Utah System of Higher Education, Masters' Degrees Conferred by Public and Private Institutions and Area of Study, 1977-78 Through 1981-82. p. 37.

TABLE 7 Utah System of Higher Education, Masters' Degrees Conferred by Public and Private Institutions 1976-77 Through 1981-82. p. 38.

TABLE 8 Utah System of Higher Education, Doctorates (Including J.D.s, M.D.s, and D.s Pharm.) Conferred by Public and Private Institutions, 1976-77 Through 1981-82. p. 39.

TABLE 9A Utah System of Higher Education, Masters' Degrees Conferred by Sex of Student and General Area of Study, 1981-82 p. 40.

TABLE 9B Utah System of Higher Education, Doctors' Degrees Conferred by Sex of Student and General Area of Study, 1981-82. p. 41.

TABLE 10A Utah System of Higher Education, Doctorates Conferred by Public Institutions by Area of Study, 1977-78 Through 1981-82. p. 42.

TABLE 10B Utah System of Higher Education, Doctorates Conferred by Private Institutions by Area of Study, 1977-78 Through 1981-82. p. 43.

TABLE 11 Utah System of Higher Education, First Professional Degrees Conferred by Institution and Field of Study, 1977-78 Through 1981-82. p. 44.

TABLE 12 Utah System of Higher Education, First Professional Degrees Conferred by Public and Private Institutions by Field of Study and Sex, 1981-82. p. 45.

TABLE 13 Utah System of Higher Education, Total Yearly Doctorates Conferred by Public and Private Institutions by Area of Study, 1977-78 Through 1981-82. p. 46.

TABLE 14 Utah System of Higher Education, Total Masters' and Doctors' Degrees Awarded by Major Field of Study and Sex, 1981-82 p. 47.

TABLE 15 Utah System of Higher Education, Degrees and Awards Based on Less Than Four Years of Work Beyond High School by Public Institution, 1981-82. p. 52.

TABLE 16 Utah System of Higher Education, Associate Degrees Conferred by Public and Private Institutions 1977-78 Through 1981-82. p. 53.

TABLE 17A Utah System of Higher Education, Degrees and Awards Based on Less Than Four Years of Work Beyond High School - Curriculums of Two or More but Less Than Four Years - 1981-82. p. 54.

TABLE 17B Utah System of Higher Education, Degrees and Awards Based on Less Than Four Years of Work Beyond High School - Curriculums of Two or More but Less Than Four Years - 1981-82. p. 56.

TABLE 17C Utah System of Higher Education, Degrees and Awards Based on Less Than Four Years of Work Beyond High School - Curriculums of Two or More but Less Than Four Years - 1981-82. p. 58.

TABLE 18 Utah System of Higher Education, Number of Teachers Recommended for Certification Classified by Level and Institution 1978 Through 1982. p. 60.

TABLE 19 Utah System of Higher Education, Number of Elementary and Secondary Teachers Graduating from Utah Colleges and Universities and Accepting Teaching Positions in Utah 1979-80 and 1980-81. p. 62.

TABLE 20 Utah System of Higher Education, Number of Students Graduating from Utah Institutions of Higher Education in Elementary and Secondary Education and Percent Accepting Teaching Positions in Utah 1966-67 Through 1980-81. p. 63.

TABLE 1
Utah System of Higher Education
Total Degrees Awarded by Public and Private Institutions with Percentage Changes From Previous Years, 1976-77 Through 1981-82

Level of Degree	No. (1)	No. (2)	% Increase Over 1976-77 (3)	No. (4)	% Increase Over 1977-78 (5)	No. (6)	% Increase Over 1978-79 (7)	No. (8)	% Increase Over 1979-80 (9)	No. (10)	% Increase Over 1980-81 (11)	% Total Degrees Awarded 1981-82 (12)
Bachelor's Degrees												
Public Institutions	5,082	4,926	(3.1)	4,864	(1.3)	4,821	(0.9)	4,804	(0.3)	5,074	5.6	39.6
Private Institutions	4,219	4,263	1.0	4,390	3.0	4,386	(0.1)	4,422	0.8	4,579	3.6	35.8
Totals	9,301	9,189	(1.2)	9,254	0.7	9,207	(0.5)	9,226	0.2	9,653	4.6	75.4
Master's Degree												
Public Institutions [a]	1,694	1,608	(5.1)	1,500	(6.7)	1,355	(9.7)	1,403	3.5	1,332	(5.1)	10.4
Private Institutions	782	808	3.3	988	22.3	981	(0.7)	976	(0.5)	1,038	6.4	8.1
Totals	2,476	2,416	(2.4)	2,488	3.0	2,336	(6.1)	2,379	1.8	2,370	(0.4)	18.5
First Professional												
Public Institutions	235	226	(3.8)	217	(4.0)	243	12.0	219	(9.9)	231	5.5	1.8
Private Institutions	151	133	(11.9)	117	(12.0)	128	9.4	141	10.2	145	2.8	1.1
Totals	386	359	(7.0)	334	(7.0)	371	11.1	360	(3.0)	376	4.4	2.9
Doctor's Degrees												
Public Institutions	287	248	(13.6)	240	(3.2)	295	22.9	256	(13.2)	255	(0.4)	2.0
Private Institutions	158	118	(25.3)	153	29.7	158	(3.3)	127	(19.6)	153	20.5	1.2
Totals	445	366	(17.7)	393	7.4	453	15.3	383	(15.5)	408	6.5	3.2
Total Degrees												
Public Institutions	7,298	7,008	(4.0)	6,821	(2.7)	6,714	(1.6)	6,682	(0.5)	6,892	3.1	53.8
Private Institutions	5,310	5,322	0.2	5,648	6.1	5,653	0.1	5,666	0.2	5,915	4.4	46.2
Totals	12,608	12,330	(2.2)	12,469	1.1	12,367	(0.8)	12,348	(0.2)	12,807	3.7	100.0
Total Degrees Awarded Throughout U.S. [b]	1,333,304	1,331,536	(.01)	1,320,047	(0.9)	1,330,297	(0.8)	1,334,600	(0.3)	1,354,900	1.5	--
Percent of U.S.Total From Utah Schools	.01	.01	--	.01	--	.01	--	.01	--	.01	--	--

[a] Includes, for all years reported, Master of Philosophy degrees awarded by the University of Utah.

[b] Martin M. Frankel and Debra E. Gerald, eds., Projections of Educational Statistics to 1990-91, U.S. Department of Education, National Center for Education Statistics, Vol. I: Analytical Report (Washington, DC: U.S. Government Printing Office, forthcoming).

Sources: HEGIS Reports, 1976-77 through 1981-82.

TABLE 2
Utah System of Higher Education
Comparison of Degrees Conferred by Utah Public and Private Institutions
by Level of Degree and Area of Study, 1972-73 and 1981-82

Area of Study	Bachelor's Degrees 1972 -73	1981 -82	Percent Increase	Master's Degrees 1972 -73	1981 -32	Percent Increase	Doctor's Degrees 1972 -73	1981 -82	Percent Increase	Total Degrees 1972 -73	1981 -82	Percent Increase
Agriculture & Natural Resources	315	337	7.0	62	101	62.9	9	24	166.7	386	452	17.1
Architecture & Environmental Design	26	23	(11.5)	15	43	186.7	--	--	--	41	66	61.0
Area Studies	13	51	292.3	6 a	8	33.3	1	--	(100.0)	20	59	195.0
Biological Sciences	515.5	363	(29.6)	74 b	52	(29.7)	46	44	(4.3)	635.5	459	(27.8)
Business Management	1142	1750	53.2	450	498	10.7	7	2	(71.4)	1,599	2,250	40.7
Communications	198	482	143.4	27	65	140.7	5	1	(80.0)	230	548	138.3
Computer & Informational Sciences	136	192	41.2	7	17	142.9	1	4	300.0	144	213	47.9
Education	1982	1485	(25.1)	552	588	6.5	213	154	(27.7)	2,747	2,227	(18.9)
Engineering	596	826	38.6	210 c	170	(19.0)	41	29	(29.3)	847	1,025	21.0
Fine & Applied Arts	360	525	45.8	53	123	132.1	7	7	--	420	655	56.0
Foreign Languages	273.5	184	(32.7)	30	19	(36.7)	3	6	100.0	306.5	209	(31.8)
Health Professions	387	391	1.0	46	121	163.0	79 d	113 e	43.0	512	625	22.1
Home Economics	457	566	23.9	35	42	20.0	3	5	66.7	495	613	23.8
Law	4	4	--	--	--	--	154 f	273 g	77.3	158	277	75.3
Letters	604	366	(39.4)	91	66	(27.5)	19	9	(52.6)	714	441	(38.2)
Library Science	--	--	--	62	46	(25.8)	--	--	--	62	46	(25.8)
Mathematics	124	73	(41.1)	82	23 h	(71.9)	5	4	(20.0)	211	100	(52.6)
Physical Sciences	197	263	33.5	65 i	66 j	1.5	40	37	(7.5)	302	366	21.2
Psychology	395.5	354	(10.5)	28	20	(28.6)	24	42	75.0	447.5	416	(7.0)
Public Affairs & Services	130	206	58.5	183	210	14.8	5	11	120.0	318	427	34.3
Social Sciences	1,297.5	1,034	(20.3)	80	88	10.0	23	18	(21.7)	1,400.5	1,140	(18.5)
Theology	--	--	--	11	--	(100.0)	2	--	(100.0)	13	--	(100.0)
Interdisciplinary	127	178	40.2	--	4	100.0	--	1	100.0	127	183	44.1
Totals	9,280	9,653	4.0	2,169	2,370	9.3	687	784	14.1	12,136	12,807	5.5

a Includes 1 M.Ph. degree awarded in Middle East Studies by the University of Utah.
b Includes 1 M.Ph. degree awarded in Biological Science and 1 M.Ph. degree awarded in Physiology by the University of Utah.
c Includes 3 M.Ph. degrees awarded in Electrical Engineering by the University of Utah.
d Includes 73 M.D. first professional degrees awarded at the doctoral level by the University of Utah.
e Includes 97 M.D. and 6 D.Pharm. first professional degrees awarded at the doctoral level by the University of Utah.
f Represents J.D. first professional degrees awarded at the doctoral level by the University of Utah.
g Represents 128 J.D. first professional degrees awarded at the doctoral level by the University of Utah and 145 J.D. first professional degrees awarded at the doctoral level by Brigham Young University.
h Includes 2 M.Ph. degrees awarded in Mathematics by the University of Utah.
i Includes 1 M.Ph. degree awarded in Physics by the University of Utah.
j Includes 1 M.Ph. degree awarded in Chemistry by the University of Utah.

Sources: HEGIS Reports, 1972-73 and 1981-82

TABLE 3
Utah System of Higher Education
Bachelor Degrees Conferred by Public and Private Institutions
1976-77 Through 1981-82

	1976-77 (1)	1977-78 (2)	1978-79 (3)	1979-80 (4)	1980-81 (5)	1981-82 (6)	Six Year Total (7)	Percent Increase 1981-82 Over 1976-77 (8)
System Institution								
University of Utah	2,640	2,616	2,556	2,382	2,337	2,433	14,964	(7.8)
Utah State University	1,346	1,295	1,353	1,374	1,269	1,405	8,042	4.4
Weber State College	842	804	721	818	915	935	5,035	11.1
Southern Utah State College	254	211	234	247	283	301	1,530	18.5
Totals for System Institutions	5,082	4,926	4,864	4,821	4,804	5,074	29,571	(0.2)
Yearly Percent Increase	2.3	(3.1)	(1.3)	(0.9)	(0.4)	5.6	--	--
Private Institutions								
Brigham Young University	3,973	3,997	4,115	4,155	4,207	4,384	24,831	10.4
Westminster College	246	266	275	231	215	195	1,428	(20.7)
Totals for Private Institutions	4,219	4,263	4,390	4,386	4,422	4,579	26,259	8.5
Yearly Percent Increase	15.2	1.0	3.0	(0.1)	0.8	3.6	--	--
Total Bachelor Degrees Awarded in Utah	9,301	9,189	9,254	9,207	9,226	9,653	55,830	3.8
Yearly Percent Increase for All Utah Institutions	7.8	(1.2)	0.7	(0.5)	0.2	4.6	--	--

Sources: HEGIS Reports, 1976-77 through 1981-82.

TABLE 4
Utah System of Higher Education
Bachelor Degrees Conferred by Public and Private Institutions and Area of Study
1977-78 Through 1981-82

	Public Institutions						Private Institutions						Public & Private 5-Year Total (13)	Percent of Total Degrees (14)
	1977-78 (1)	1978-79 (2)	1979-80 (3)	1980-81 (4)	1981-82 (5)	5-Year Total (6)	1977-78 (7)	1978-79 (8)	1979-80 (9)	1980-81 (10)	1981-82 (11)	5-Year Total (12)		
Agriculture & Natural Resources	253	259	242	188	189	1,131	99	109	111	135	148	602	1,733	3.7
Architecture & Environmental Design	28	31	38	24	23	144	68	96	81	27	--	272	416	.9
Area Studies	2	8	7	9	10	36	16	26	37	40	41	160	196	.4
Biological Sciences	198	177	146	155	163	839	222	191	189	198	200	1,000	1,839	4.0
Business & Management	820	809	793	806	890	4,118	533	681	674	782	860	3,530	7,648	16.4
Communications	137	122	136	151	175	721	204	183	266	289	307	1,249	1,970	4.2
Computer & Information Sciences	55	62	78	93	102	390	36	38	64	72	90	300	690	1.5
Education	720	691	758	724	758	3,651	767	782	807	730	727	3,813	7,464	16.0
Engineering	381	419	427	501	490	2,218	256	281	295	356	336	1,524	3,742	8.0
Fine & Applied Arts	231	197	237	227	230	1,122	167	185	195	223	295	1,065	2,187	4.7
Foreign Languages	91	66	74	70	55	356	116	122	144	134	129	645	1,001	2.2
Health Professions	256	316	323	275	309	1,479	155	230	213	146	82	826	2,305	5.0
Home Economics	221	191	176	201	206	995	377	348	284	301	360	1,670	2,665	5.7
Law	4	4	3	6	4	21	1	--	--	--	--	1	22	.0
Letters	244	237	193	200	262	1,136	128	148	125	112	104	617	1,753	3.8
Mathematics	64	50	38	33	41	226	51	41	27	43	32	194	420	.9
Physical Sciences	183	142	163	155	148	791	87	84	82	95	115	463	1,254	2.7
Psychology	241	277	239	238	233	1,228	123	100	116	176	121	636	1,864	4.0
Public Affairs & Services	139	122	125	146	118	650	153	131	146	123	88	641	1,291	2.8
Social Sciences	597	617	566	544	594	2,918	446	392	412	366	440	2,056	4,974	10.7
Theology	--	--	--	--	--	--	--	--	3	--	--	3	3	.0
Interdisciplinary Studies	61	67	59	58	74	319	258	222	115	74	104	773	1,092	2.4
Totals	4,926	4,864	4,821	4,804	5,074	24,489	4,263	4,390	4,386	4,422	4,579	22,040	46,529	100.0
Percent Increase Over Previous Year	(3.1)	(1.3)	(0.4)	(0.4)	5.6	--	1.0	3.0	(0.1)	0.8	3.6	--	--	--

Sources: HEGIS Reports, 1977-78 through 1981-82.

TABLE 5
Utah System of Higher Education
Total Bachelors' Degrees Awarded by Major Field of Study and Sex, 1981-82

Major Field of Study	U of U		USU		WSC		SUSC		TOTAL PUBLIC		BYU		WEST-MINSTER		TOTAL PRIVATE		TOTAL	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Agriculture & Natural Resources																		
Agronomy											19	1			19	1	19	1
Animal Science			12	4					12	4	22	1			22	1	34	5
Dairy Science			7						7								7	
Fish, Game, & Wildlife Management			14	9					14	9							14	9
Horticulture											7	11			7	11	7	11
Agricultural Economics			5	2					5	2	46	1			46	1	51	3
Food Science & Technology			1	9					1	9	6	17			6	17	7	26
Forestry			17	11					17	11							17	11
Natural Resources Management			10	6					10	6							10	6
Range Management			15	6					15	6	16	1			16	1	31	7
Soils Science			11	1					11	1							11	1
Outdoor Recreation			13	6					13	6							13	6
Agricultural Business			6	2					6	2							6	2
Plant Science			15	7					15	7							15	7
Architecture & Environmental Design																		
Landscape Architecture			16	7					16	7							16	7
Area Studies																		
Asian Studies, General	1								1		16	3			16	3	17	3
Latin American Studies											5				5		5	
European Studies, General											1	3			1	3	1	3
American Studies				4						4	11	2			11	2	11	6
Middle Eastern Studies		5								5								5
Biological Sciences																		
Biology, General	36	17	41	10			13	6	90	33			2	2	2	2	92	35
Biophysics													1		1		1	
Botany, General					4	2			4	2	7	2			7	2	11	4
Zoology, General					20	5			20	5	132	26			132	26	152	31
Microbiology					6	3			6	3	21	7			21	7	27	10
Business & Management																		
Business & Commercial, General	2	1							2	1			1		1		3	1
Accounting	116	31	55	18	42	13	19	4	232	66	256	36	14	5	270	41	502	107
Banking & Finance	131	27	22	7	15	4			168	38							168	38
Business Management & Administration	78	7	15	12	46	12	20	6	159	37	444	56	28	12	472	68	631	105
Marketing & Purchasing	28	8	61	14	13	2			102	24				1		1	102	25
Secretarial Studies						3				3								3
Operations Research			10	1					10	1							10	1
Business Economics	4	2			5	1			9	3							9	3

TABLE 5 (cont.)

Major Field of Study	U of U M	U of U W	USU M	USU W	WSC M	WSC W	SUSC M	SUSC W	TOTAL PUBLIC M	TOTAL PUBLIC W	BYU M	BYU W	WEST-MINSTER M	WEST-MINSTER W	TOTAL PRIVATE M	TOTAL PRIVATE W	TOTAL M	TOTAL W
Business & Management (cont.)																		
Government Logistics Management					12	4			12	4							12	4
Real Estate					4	2			4	2			1		1		5	2
Personnel Management			10	3					10	3							10	3
Human Resources Management													2	4	2	4	2	4
Communications																		
Communications, General	2	3			24	12	2	1	28	16	197	106	1	1	198	107	226	123
Journalism	58	57	6	8					64	65				1		1	64	65
Advertising					2				2								2	
Radio/Television											1				1		1	
Computer & Information Sciences																		
Computer & Information Sciences, General	41	3	15	6					56	9	62	16	6	6	68	22	124	31
Data Processing					35	2			35	2							35	2
Education																		
Education General		1								1								1
Elementary Education, General	9	94	14	117	9	83	12	83	44	377	34	335	1	11	35	346	79	723
Secondary Education, General			13	10					13	10	1				1		14	10
Special Education, General		14	6	36					6	50	12	83			12	83	18	133
Art Education					1				1								1	
Music Education					1	1			1	1		1				1	1	2
Mathematical Education				2						2	4	8			4	8	4	10
Physical Education	21	21	17	23		1	14	7	52	52	39	30			39	30	91	82
Health Education	12	20	3	11					15	31							15	31
Business, Commerce & Distributive Education			4	15		2	1	7	5	24	7	29			7	29	12	53
Industrial Arts, Vocational & Technical Education			12	2			11	2	23	4	64	3			64	3	87	7
Pre-elementary Education														8		8		8
Agricultural Education			20						20								20	
Physical Education Nonteaching					14	12			14	12							14	12
Educational Supervision											20	37			20	37	20	37
Engineering																		
Chemical Engineering	34	6							34	6	36	2			36	2	70	8
Civil, Construction, and Transportation Engineering	43	2	33						76	2	55	2			55	2	131	4
Electrical, Electronics & Communications Engineering	49	4	36						85	4	57				57		142	4
Mechanical Engineering	51	8	24	2					75	10	58	3			58	3	133	13
Geological Engineering	3								3								3	
Industrial & Management Engineering	3	1							3	1							3	1

TABLE 5 (cont.)

Major Field of Study	U of U M	U of U W	USU M	USU W	WSC M	WSC W	SUSC M	SUSC W	TOTAL PUBLIC M	TOTAL PUBLIC W	BYU M	BYU W	WEST-MINSTER M	WEST-MINSTER W	TOTAL PRIVATE M	TOTAL PRIVATE W	TOTAL M	TOTAL W
Engineering (cont.)																		
Metallurgical Engineering	6								6								6	
Materials Engineering	10								10								10	
Petroleum Engineering	8	1							8	1							8	1
Mining & Mineral Engineering	18	2							18	2							18	2
Engineering Technologies			41		91	4	2		134	4	108	7			108	7	242	11
Aerospace, Aeronautical & Astronautical Engineering													8		8		8	
Agricultural Engineering			7	1					7	1							7	1
Fine and Applied Arts																		
Fine Arts, General	5								5					1		1	5	1
Art History & Appreciation	1	7							1	7							1	7
Art (Painting, Drawing, Sculpture)	18	21	28	19	3	1	2	4	51	45	24	44		2	24	46	75	91
Music (Performing, Composition, Theory)	8	20	8	10			3	3	19	33	19	42			19	42	38	75
Music (Liberal Arts Program)					4	3			4	3							4	3
Dramatic Arts	6	10				4	3	2	9	16	21	25	1		22	25	31	41
Dance	2	17		8					2	25	4	17			4	17	6	42
Applied Design					2	1			2	1	20	74		1	20	75	22	76
Photography					4	3			4	3							4	3
Foreign Languages																		
French	4	4			1	1			5	5	9	14			9	14	14	19
German	7	3	1		1				9	3	6	3			6	3	15	6
Spanish	11	7	1	1	2	3			14	11	34	26			34	26	48	37
Russian	2	1							2	1	3	1			3	1	5	2
Chinese											6	2			6	2	6	2
Japanese											8	1			8	1	8	[illegible]
Latin											3	1			3	1	3	1
Greek, Classical	1								1		1	2			1	2	2	2
Portuguese											5	3			5	3	5	3
Italian											1				1		1	
Foreign Languages, General							2	2	2	2							2	2
Health Professions																		
Health Professions, General					10	21			10	21							10	21
Nursing (Baccalaureate and Higher Programs)	12	122							12	122	3	27		15	3	42	15	164
Pharmacy	38	8							38	8							38	8
Physical Therapy	12	12							12	12							12	12
Occupational Safety & Health			10						10								10	
Public Health			2	1					2	1	10	15			10	15	12	16

TABLE 5 (cont.)

Major Field of Study	U of U M	U of U W	USU M	USU W	WSC M	WSC W	SUSC M	SUSC W	TOTAL PUBLIC M	TOTAL PUBLIC W	BYU M	BYU W	WEST-MINSTER M	WEST-MINSTER W	TOTAL PRIVATE M	TOTAL PRIVATE W	TOTAL M	TOTAL W
Health Professions (cont.)																		
Speech Pathology & Audiology	2	10	1	14					3	24							3	24
Medical Laboratory Technologies (Baccalaureate and Higher Programs)	9	10	2	2	3	7			14	19	5	7			5	7	19	26
Preveterinary Science				1						1								1
Home Economics																		
Home Economics, General		5		20				12		37	1	54			1	54	1	91
Clothing & Textiles				9						9	1	62			1	62	1	71
Consumer Economics & Home Management	7	42		2					7	44	13	10			13	10	20	54
Family Relations & Child Development		18	1	42	3	31			4	91	34	185			34	185	38	276
Foods & Nutrition		14								14								14
Law																		
Law, General			2	2					2	2							2	2
Letters																		
English, General	46	62	3	12	4	20	5	6	58	100	37	55		1	37	56	95	156
Linguistics	5	1							5	1	2	1			2	1	7	2
Speech, Debate, & Forensic Science	36	26	4	12					40	38							40	38
Philosophy	13	1	5						18	1	2			1	2	1	20	2
Comparative Literature											2	1			2	1	2	1
Classics	1								1								1	
Religious Studies														2		2		2
Mathematics																		
Mathematics, General	17	7	1	1	8	2	1	3	27	13	19	10	2	1	21	11	48	24
Statistics, Mathematical & Theoretical				1						1								1
Physical Sciences																		
Physics, General	15	1	5		8	1			28	2	12	4	1		13	4	41	5
Chemistry, General	19	4	3	1	6	1			28	6	35	7	1	1	36	8	64	14
Atmospheric Sciences & Meteorology	10	2							10	2							10	2
Geology	16	4	22	1	7	3			45	8	42	3	5	3	47	6	92	14
Geophysics & Seismology	10								10								10	
Physical Sciences, General							7	2	7	2							7	2
Environmental Systems Management													1		1		1	
Psychology																		
Psychology, General	76	62	27	11	18	21	9	9	130	103	68	50	2		70	50	200	153
Child Development														1		1		1

TABLE 5 (cont.)

Major Field of Study	U of U		USU		WSC		SUSC		TOTAL PUBLIC		BYU		WEST-MINSTER		TOTAL PRIVATE		TOTAL	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Public Affairs and Services																		
Parks & Recreation Management	17	28							17	28							17	28
Social Work & Helping Services			8	20					8	20	9	27			9	27	17	47
Law Enforcement & Corrections					37	8			37	8	27	13			27	13	64	21
Community Services, General											6	6			6	6	6	6
Social Sciences																		
Social Science, General	18	10					9	7	27	17			13	14	13	14	40	31
Anthropology	5	14							5	14	7	7			7	7	12	21
Economics	45	11	11	2					56	13	62	3			62	3	118	16
History	24	23	12	7	19	8			55	38	54	33	3	1	57	34	112	72
Geography	17	10	8	1	7	4			32	15	20	22			20	22	52	37
Political Science & Government	94	27	32	5	33	2			159	34	79	7	2		81	7	240	41
Sociology	27	42	6	7	15	20			48	69	12	17		1	12	18	60	87
International Relations											63	17			63	17	63	17
Human Relations													1	2	1	2	1	2
Urban Studies	11	1							11	1							11	1
Interdisciplinary Studies																		
General Liberal Arts & Sciences			8	3	41	19			49	22	42	41			42	41	91	63
Biological & Physical Sciences					1	2			1	2							1	2
Humanities & Social Sciences											6	15			6	15	6	15
Grand Totals	1,431	1,002	818	587	581	354	135	166	2,965	2,109	2,601	1,783	97	98	2,698	1,881	5,663	3,990
	2,433		1,405		935		301		5,074		4,384		195		4,579		9,653	

Sources: HEGIS Reports, 1981-82.

TABLE 6
Utah System of Higher Education
Masters' Degrees Conferred by Public and Private Institutions and Area of Study, 1977-78 Through 1981-82

	Public Institutions a,b						Private Institutions						Public & Private	Percent
	1977-78 (1)	1978-79 (2)	1979-80 (3)	1980-81 (4)	1981-82 (5)	5-Year Total (6)	1977-78 (7)	1978-79 (8)	1979-80 (9)	1980-81 (10)	1981-82 (11)	5-Year Total (12)	5-Year Total (13)	of Total Degrees (14)
Agriculture & Natural Resources	83	45	76	53	77	334	14	20	25	27	24	110	444	3.7
Architecture & Environmental Design	32	28	31	27	43	161	--	--	--	--	--	--	161	1.3
Area Studies	1	1	2	3	1	8	6	4	10	6	7	33	41	.3
Biological Sciences	30	25	26	27	26	134	32	33	40	45	25	176	310	2.6
Business & Management	558	535	360	324	279	2,056	126	194	195	192	219	926	2,982	24.9
Communications	3	8	7	9	6	33	16	23	21	20	59	139	172	1.4
Computer & Information Sciences	14	9	13	19	11	66	1	11	7	8	6	33	99	.8
Education	343	289	309	360	323	1,624	288	332	317	275	265	1,477	3,101	25.9
Engineering	148	122	128	117	104	619	55	61	61	82	66	325	944	7.9
Fine & Applied Arts	52	47	37	44	48	228	20	30	18	32	75	175	403	3.4
Foreign Languages	18	16	9	13	11	67	8	7	16	10	8	49	116	1.0
Health Professions	32	75	57	83	95	342	29	31	26	19	26	131	473	4.0
Home Economics	17	15	21	24	26	103	18	13	22	12	16	81	184	1.5
Library Science	--	--	--	--	--	--	46	42	39	29	46	202	202	1.7
Letters	42	45	40	42	30	199	31	38	37	48	36	190	389	3.2
Mathematics	13	13	16	9	15	66	7	11	3	12	8	41	107	.9
Physical Sciences	59	39	53	52	56	259	10	11	29	19	10	79	338	2.8
Psychology	5	17	10	22	10	64	--	--	1	3	10	14	78	.7
Public Affairs & Services	104	115	108	127	115	569	68	98	84	104	95	449	1,018	8.5
Social Sciences	53	56	52	48	56	265	29	25	29	33	32	148	413	3.4
Interdisciplinary Studies	1	--	--	--	--	1	4	4	1	--	4	13	14	.1
Totals	1,608	1,500	1,355	1,403	1,332	7,198	808	988	981	976	1,038	4,791	11,989	100.0
Percent Increase Over Previous Year	(5.1)	(6.7)	(9.7)	3.5	(5.1)	---	3.3	2.3	(0.7)	(0.5)	6.4	--	--	--

a All academic years include Master of Philosophy degrees awarded by the University of Utah.
b Includes, beginning with the 1978-79 academic year, Master of Education degrees awarded by Weber State College.

Sources: HEGIS Reports, 1977-78 through 1981-82.

TABLE 7
Utah System of Higher Education
Masters' Degrees Conferred by Public and Private Institutions
1976-77 Through 1981-82

	1976-76 (1)	1977-78 (2)	1978-79 (3)	1979-80 (4)	1980-81 (5)	1981-82 (6)	Six Year Total (7)	Percent Increase 1981-82 Over 1976-77 (8)
System Institution								
University of Utah a	1,302	1,151	1,104	901	928	822	6,208	(36.9)
Utah State University	392	457	394	433	431	479	2,586	22.2
Weber State College b	--	--	2	21	44	31	98	100.0
Totals for System Institutions	1,694	1,608	1,500	1,355	1,403	1,332	8,892	(21.4)
Yearly Percent Increase	2.0	(5.1)	(6.7)	(9.7)	3.5	(5.1)	---	---
Private Institutions								
Brigham Young University	782	797	947	951	959	1,008	5,444	28.9
Westminster College	--	11	41	30	17	30	120	100.0
Totals for Private Institutions	782	808	988	981	976	1.038	5,573	32.7
Yearly Percent Increase	30.3	3.3	22.3	(0.7)	(0.5)	6.4	--	--
Total Master Degrees Awarded in Utah	2,476	2,416	2,488	2,336	2,379	2,370	14,465	(4.3)
Yearly Percent Increase for All Utah Institutions	9.5	(2.4)	3.0	(6.1)	1.8	(.4)	--	--

a Master of Philosophy degrees, which are the equivalent of doctoral degrees without dissertations.
b Represents, beginning with the 1978-79 academic year, Master of Education degrees only.

Sources: HEGIS Reports, 1976-77 through 1981-82.

TABLE 8
Utah System of Higher Education
Doctorates (Including J.D.s, M.D.s and D.s Pharm.) Conferred by Public and Private Institutions, 1976-77 Through 1981-82

Institution	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	Six-Yr. Total
System Institutions:							
University of Utah							
Ph.D. & Ed.D.	216	161	168	208	193	181	1,127
M.D.	98	100	102	99	98	97	594
J.D.	134	125	113	137	114	128	751
D.Pharm.	3	1	2	7	7	6	26
Total	451	387	385	451	412	412	2,498
Utah State University							
Ph.D. & Ed.D.	71	87	72	87	63	74	454
Total doctorates (including J.D.s, M.D.s & D.s Pharm.) conferred in System	522	474	457	538	475	486	2,952
Percent increase over previous year	1.2	(9.2)	(3.6)	(17.7)	(11.8)	2.3	--
Total Ph.D.s & Ed.D.s conferred in System	287	248	240	295	256	255	1,581
Percent increase over previous year	1.8	(13.6)	(3.2)	22.9	(13.2)	(.4)	--
Private Institutions:							
Brigham Young University							
Ph.D. & Ed.D.	158	118	153	158	127	153	867
J.D.	151	133	117	128	141	145	815
Total	309	251	270	286	268	298	1,682
Total Ph.D.s & Ed.D.s conferred in Utah	445	366	393	453	383	408	2,448
Percent increase over previous year	9.3	(17.8)	7.4	15.3	(15.4)	6.5	--
Total doctorates (including J.D.s, M.D.s & D.s Pharm.) conferred in Utah	831	725	727	824	743	784	4,634
Percent increase over previous year	5.9	(12.8)	.3	13.3	(9.8)	5.5	--

Sources: HEGIS Reports, 1976-77 through 1981-82.

TABLE 9A
Utah System of Higher Education
Masters' Degrees Conferred by Sex of Student and General Area of Study, 1981-82

Area of Study	U of U M	U of U W	USU M	USU W	WSC M	WSC W	TOTAL PUBLIC M	TOTAL PUBLIC W	BYU M	BYU W	WEST-MINSTER M	WEST-MINSTER W	TOTAL PRIVATE M	TOTAL PRIVATE W	TOTAL PUBLIC & PRIVATE M	TOTAL PUBLIC & PRIVATE W
Agriculture & Natural Resources			59	18			59	18	20	4			20	4	79	22
Architecture & Environmental Design	29	6	6	2			35	8							35	8
Area Studies				1				1	6	1			6	1	6	2
Biological Sciences	4	2	16	4			20	6	18	8			18	8	38	14
Business & Management	181	32	58	8			239	40	211	8			211	8	450	48
Communications	1		3	2			4	2	44	15			44	15	48	17
Computer & Information Sciences	9	2					9	2	5	1			5	1	14	3
Education	50	84	87	71	13	18	150	173	140	95	10	20	150	115	300	288
Engineering	63		39	2			102	2	65	1			65	1	167	3
Fine & Applied Arts	14	26	3	5			17	31	53	22			53	22	70	53
Foreign Languages	8	3					8	3	3	5			3	5	11	8
Health Professions	15	66	2	12			17	78	10	16			10	16	27	94
Home Economics		4	3	19			3	23	3	13			3	13	6	36
Letters	10	14	2	4			12	18	18	18			18	18	30	36
Library Science									14	32			14	32	14	32
Mathematics	5 a	2 a	5	3			9	4	7	1			7	1	16	5
Physical Sciences	35 b	9	9	3			43	12	8	2			8	2	51	14
Psychology	2		4	4			6	4	7	3			7	3	13	7
Public Affairs & Services	41	74					41	74	79	16			79	16	120	90
Social Sciences	19	12	18	7			37	19	24	8			24	8	61	27
Interdisciplinary Studies									3	1			3	1	3	1
Totals	486	336	314	165	13	18	811	518	738	270	10	20	748	290	1,559	808
	822		479		31		1,332		1,008		30		1,038		2,370	
Percentage of Total Masters'Degrees	34.7%		20.2%		1.3%		56.2%		42.5%		1.3%		43.8%		100.0%	

a Includes one Master of Philosophy degree awarded in Mathematics.
b Includes one Master of Philosophy degree awarded in Chemistry.

Sources: HEGIS Reports, 1981-82.

TABLE 9B
Utah System of Higher Education
Doctors' Degrees* Conferred by Sex of Student and General Area of Study, 1981-82

	U of U		USU		Total Public		BYU		Total Public & Private	
	M	W	M	W	M	W	M	W	M	W
Agriculture & Natural Resources			18	5	18	5	1		19	5
Biological Sciences	15	7	14	2	29	9	6		35	9
Business & Management	1	1			1	1			1	1
Communications		1				1				1
Computer & Information Sciences	4				4				4	
Education	25	13	7	7	32	20	69	33	101	53
Engineering	18	2	4	3	22	5	2		24	5
Fine & Applied Arts	2				2		3	2	5	2
Foreign Languages	4	1			4	1		1	4	2
Health Professions	5	5			5	5			5	5
Home Economics							5		5	
Letters	5	2			5	2	2		7	2
Mathematics	4				4				4	
Physical Sciences	25	3	3		28	3	6		34	3
Psychology	7	7	6	3	13	10	13	6	26	16
Public Affairs & Services	6	5			6	5			6	5
Social Sciences	10	3	2		12	3	2	1	14	4
Interdisciplinary Studies							1		1	
Totals	131	50	54	20	185	70	110	43	295	113
	181		74		255		153		408	
Percent of Total Doctors' Degrees	44.4%		18.1%		62.5%		37.5%		100.0%	

*Excludes first professional degrees.

Sources: HEGIS Reports, 1981-82.

TABLE 10A
Utah System of Higher Education
Doctorates* Conferred by Public Institutions by Area of Study, 1977-78 Through 1981-82

Area of Study	Public Institutions 1977-78	1978-79	1979-80	1980-81	1981-82	5-yr. Total
Agriculture & Natural Resources	18	18	15	19	23	93
Biological Sciences	28	36	40	29	38	171
Business & Management	4	5	4	6	2	21
Communications	2	6	4	3	1	16
Computer & Information Sciences	5	5	3	2	4	19
Education	88	51	78	52	52	321
Engineering	25	29	32	22	27	135
Fine & Applied Arts	1	1	5	1	2	10
Foreign Language	6	2	5	5	5	23
Health Professions	5	--	6	7	10	28
Home Economics	1	--	--	--	--	1
Letters	2	3	6	10	7	28
Mathematics	3	6	5	3	4	21
Physical Sciences	31	19	32	31	31	144
Psychology	8	25	21	22	23	99
Public Affairs & Services	10	12	12	20	11	65
Social Sciences	11	22	27	24	15	99
Interdisciplinary	--	--	--	--	--	--
Totals	248	240	295	256	255	1,294
Percent Increase over Previous Year	(13.6)	(3.2)	(22.9)	(13.2)	(.4)	--

*Excludes first professional degrees.

Sources: HEGIS Reports, 1977-78 Through 1981-82.

TABLE 10B
Utah System of Higher Education
Doctorates* Conferred Private Institutions, by Area of Study 1977-78 Through 1981-82

Area of Study	Private Institutions 1977-78	1978-79	1979-80	1980-81	1981-82	5-Yr. Total	Public & Private 5-Yr. Total	Percent of Total
Agriculture & Natural Resources	--	1	--	1	1	3	96	4.8
Biological Sciences	9	4	8	8	6	35	206	10.3
Business & Management	--	--	--	--	--	--	21	1.0
Communications	--	--	--	--	--	--	16	.8
Computer & Information Sciences	--	--	--	--	--	--	19	1.0
Education	81	107	110	78	102	478	799	39.9
Engineering	5	6	6	7	2	26	161	8.0
Fine & Applied Arts	1	1	4	2	5	13	23	1.2
Foreign Language	2	1	1	3	1	8	31	1.6
Health Professions	--	--	--	--	--	--	28	1.4
Home Economics	5	10	9	7	5	36	37	1.9
Letters	--	1	1	2	2	6	34	1.7
Mathematics	--	--	--	--	--	--	21	1.0
Physical Sciences	8	5	6	4	6	29	173	8.6
Psychology	3	14	11	11	19	58	157	7.8
Public Affairs & Services	--	--	--	--	--	--	65	3.2
Social Sciences	4	2	2	4	3	15	114	5.7
Interdisciplinary	--	1	--	--	1	2	2	.1
Totals	118	153	158	127	153	709	2,003	100.0
Percent Increase over Previous Year	(25.3)	29.7	3.3	(19.6)	20.5	--	--	--

*Excludes first professional degrees.

Sources: HEGIS Reports, 1977-78 Through 1981-82.

TABLE 11
Utah System of Higher Education
First Professional Degrees Conferred by Institution and Field of Study
1977-78 Through 1981-82

Institution and Field of Study	1977-78	1978-79	1979-80	1980-81	1981-82	5-Yr. Totals	Percentage of Total Degrees
Public							
University of Utah							
Law (J.D. degrees)	125	113	137	114	128	617	34.3
Medicine (M.D. degrees)	100	102	99	98	97	496	27.5
Pharmacy (D.Pharm. degrees)	1	2	7	7	6	23	1.3
Total Public	226	217	243	219	231	1,136	63.1
Percentage Increase over Previous Year	(3.8)	(4.0)	12.0	(9.9)	5.5	--	--
Private							
Brigham Young University							
Law (J.D. degrees)	133	117	128	141	145	664	36.9
Total Private	133	117	128	141	145	664	36.9
Percentage Increase over Previous Year	(11.9)	(12.0)	9.4	10.2	2.8	--	--
Total Public & Private	359	334	371	360	376	1,800	100.0
Percentage increase over previous year	(7.0)	(7.0)	(11.1)	(3.0)	4.4	--	--

Sources: HEGIS Reports, 1977-78 through 1981-82.

TABLE 12
Utah System of Higher Education
First Professional Degrees Conferred by Public and Private Institutions by Field of Study and Sex, 1981-82

Field of Study	U of U M	U of U W	BYU M	BYU W	Total Public and Private M	Total Public and Private W
Law (J.D. degrees)	98	30	131	14	229	44
Medicine (M.D. degrees)	83	14	--	--	83	14
Pharmacy (D. Pharm. degrees)	3	3	--	--	3	3
Totals	184	47	131	14	315	61
	231		145		376	

Sources: HEGIS Reports, 1981-82.

TABLE 13
Utah System of Higher Education
Total Yearly Doctorates* Conferred by Public and Private Institutions by Area of Study, 1977-78 Through 1981-82

Area of Study	1977-78 (1)	1978-79 (2)	1979-80 (3)	1980-81 (4)	1981-82 (5)
Agriculture & Natural Resources	18	19	15	20	24
Biological Sciences	37	40	48	37	44
Business & Management	4	5	4	6	2
Communications	2	6	4	3	1
Computer & Information Sciences	5	5	3	2	4
Education	169	158	188	130	154
Engineering	30	35	38	29	29
Fine & Applied Arts	2	2	9	3	7
Foreign Languages	8	3	6	8	6
Health Professions[a]	5	--	6	7	10
Home Economics	6	10	9	7	5
Letters	2	4	7	12	9
Library Science	--	--	--	--	--
Mathematics	3	6	5	3	4
Physical Science	39	24	38	35	37
Psychology	11	39	32	33	42
Public Affairs & Services	10	12	12	20	11
Social Sciences	15	24	29	28	18
Theology	--	--	--	--	--
Interdisciplinary Studies	--	1	--	--	1
Totals	366	393	453	383	408

*Does not include first professional degrees.

Sources: HEGIS Reports, 1977-78 through 1981-82.

TABLE 14
Utah System of Higher Education
Total Masters' and Doctors' Degrees Awarded
by Major Field of Study and Sex, 1981-82

Major Field of Study	Masters'														Doctors'[a]									
	U of U		USU		WSC		Total Public		BYU		West-minster		Total		U of U		USU		Total Public		BYU		Total	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Agriculture & Natural Resources																								
Agriculture Economics			4				4		12				16											
Dairy Science			2				2						2											
Natural Resources Management			3	1			3	1					3	1			2		2				2	
Plant Science			6	1			6	1					6	1			1	1	1	1			1	1
Soils Science			7	3			7	3					7	3			4	1	4	1			4	1
Animal Science			5	2			5	2	2				7	2										
Fish, Game & Wildlife Management			9	2			9	2					9	2			2	1	2	1			2	1
Forestry			7	1			7	1					7	1										
Range Management			11	2			11	2	2	2			13	4			7		7		1		8	
Food Science & Technology			3	5			3	5	1	2			4	7			1	2	1	2			1	2
Outdoor Recreation			2	1			2	1					2	1			1		1				1	
Agronomy									1				1											
Horticulture									2				2											
Architecture & Environmental Design																								
Architecture	29	6					29	6					29	6										
Landscape Architecture			6	2			6	2					3	2										
Area Studies																								
Latin American Studies									4				4											
Asian Studies, General									2	1			2	1										
American Studies				1				1						1										
Biological Sciences																								
Biology, General		1	11	3			11	4					11	4	4	4	8	1	12	5			12	5
Botany, General									2	3			2	3							3		3	
Zoology, General									14	5			14	5							3		3	
Pharmacology, Human & Animal															4				4				4	
Microbiology									2				2			1				1				1
Biochemistry			2				2						2											
Biophysics	4						4						4		4				4				4	
Toxicology			3	1			3	1					3	1			6	1	6	1			6	1
Medicinal Chemistry																1				1				1
Pathology, Human and Animal															2	1			2	1			2	1
Physiology, Human and Animal															1				1				1	
Biometrics & Biostatistics		1						1						1										

---

a Excludes first-professional degrees.

TABLE 14 (cont.)

Major Field of Study	Masters' U of U		USU		WSC		Total Public		BYU		Westminster		Total		Doctors' a U of U		USU		Total Public		BYU		Total	
	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W	M	W
Business & Management																								
Accounting	5	4	10	3			19	7	73	2			92	9										
Business Management & Administration	135	15	48	5			183	20	123	1			306	21	1	1			1	1		1	1	
Personnel Management	37	13					37	13					37	13										
Business & Commerce									15	5			15	5										
Communications																								
Communications, General			3	2			3	2	44	15			47	17		1				1				1
Journalism	1						1						1											
Computer & Information Sciences																								
Computer & Information Sciences, General	9	2					9	2	5	1			14	3	4				4				4	
Education																								
Education, General	12	31					12	31	4	1	10	20	26	52							2	2	2	2
Elementary Education, General		1	16	33	6	10	22	44	9	17			31	61							6	4	6	4
Secondary Education, General			34	7	7	8	41	15	11	3			52	18							13	6	13	6
Junior & Community College									1				1											
Special Education, General		14	4	16			4	30	6	14			10	44			1	4	1	4		3	1	7
Social Foundations	1	1					1	1					1	1		2				2				2
Educational Psychology	19	19					19	19	26	29			45	48	9	5			9	5	19	7	28	12
Educational Administration	5	2					5	2	63	20			68	22	10	4			10	4	17	8	27	12
Curriculum & Instruction																	6	3	6	3			6	3
Music Education									1				1											
Physical Education	10	8	8	1			18	9	10	5			28	14	4	1			4	1	12	3	15	4
Agricultural Education			6				6						6											
Student Personnel									2	1			2	1										
Health Education		3						3		1				4	2	1			2	1			2	1
Business, Commerce & Distributive Education				3				3	2	4			2	7										
Industrial Arts, Vocational & Technical Education			9				9		5				14											
Instructional Technology			10	11			10	11					10	11										
Educational Systems Resources	2	4					2	4					2	4										
Science Education	1	1					1	1					1	1										
Engineering																								
Engineering, General			39	2			39	2					39	2			4	3	4	3			4	3
Bioengineering & Biomedical Engineering	10						10						10		4				4				4	
Chemical Engineering	7						7		9				16		5				5				5	

TABLE 14 (cont.)

Major Field of Study	Masters' U of U M	U of U W	USU M	USU W	WSC M	WSC W	Total Public M	Total Public W	BYU M	BYU W	West-minster M	West-minster W	Total M	Total W	Doctors'[a] U of U M	U of U W	USU M	USU W	Total Public M	Total Public W	BYU M	BYU W	Total M	Total W
Engineering (cont.)																								
Civil, Construction, and Transportation Engineering	13						13		13				26		1				1		1		2	
Electrical, Electronics, and Communications Engineering	11						11		23				34		2				2		1		3	
Mechanical Engineering	7						7		20	1			27	1	1	1			1	1			1	1
Industrial & Management Engineering	4						4						4											
Materials Engineering	3						3						3			1				1				1
Mining & Mineral Engineering	2						2						2		1				1				1	
Petroleum Engineering	4						4						4		3				3				3	
Nuclear Engineering	2						2						2		1				1				1	
Fine & Applied Arts																								
Art (Painting, Drawing & Sculpture)	2	6	3	5			5	11	4				9	11										
Music (Performing, Composition, Theory)	1	4					1	4	10	9			11	13										
Dramatic Arts	10	9					10	9	4	3			14	12	2				2		3	2	5	2
Dance		6							34	10			34	10										
Applied Design	1	7					1	7	1				2	7										
Foreign Languages																								
French	3	3					3	3					3	3	1				1			1	1	1
German	1						1			3			1	3	2				2				2	
Spanish	1						1		3	2			4	2										
Arabic	2						2						2											
Persian	1						1						1			1				1				1
Hebrew															1				1				1	
Health Professions, General																								
Nursing (Baccalaureate & Higher Programs)	3	53					3	53		5			3	58		4				4				4
Pharmacy	1						1						1		3				3				3	
Public Health	7	1					7	1	8	6			15	7										
Speech Pathology & Audiology	2	10	2	12			4	22	2	5			6	27	2	1			2	1			2	1
Medical Laboratory Technologies	2	2					2	2					2	2										
Home Economics																								
Home Economics, General										4				4										
Consumer Economics & Home Management				16				16						16										

TABLE 14 (cont.)

Major Field of Study	Masters' U of U M	Masters' U of U W	Masters' USU M	Masters' USU W	Masters' WSC M	Masters' WSC W	Masters' Total Public M	Masters' Total Public W	Masters' BYU M	Masters' BYU W	Masters' Westminster M	Masters' Westminster W	Masters' Total M	Masters' Total W	Doctors'[a] U of U M	Doctors'[a] U of U W	Doctors'[a] USU M	Doctors'[a] USU W	Doctors'[a] Total Public M	Doctors'[a] Total Public W	Doctors'[a] BYU M	Doctors'[a] BYU W	Doctors'[a] Total M	Doctors'[a] Total W
Home Economics (cont.)																								
Foods & Nutrition		4						4						4										
Family Relations & Child Development			3	3			3	3	3	9			6	12							5		5	
Letters																								
English, General	7	12	2	4			9	16	8	4			17	20	4	2			4	2	2		6	2
Linguistics									6	2			6	2										
Speech, Debate & Forensic Science	1	1					1	1					1	1										
Philosophy	2						2						2		1				1				1	
Teaching of English as a Foreign Language									4	11			4	11										
Classics		1						1		1				2										
Library Science																								
Library Science, General									14	32			14	32										
Mathematics																								
Mathematics, General	5 b	2 b	2	1			7	3	2	1			9	4	4				4				4	
Statistics, Mathematical & Theoretical			3	2			3	2	5				8	2										
Physical Sciences																								
Physics, General	7	2		1			7	3	1				8	3	2		3		5		1		6	
Chemistry, General	2 b	1	4				6	1	1				7	1	10	3			10	3	5		15	3
Atmospheric Sciences & Meteorology	4	2					4	2					4	2										
Geology	12	2	5	2			17	4	6	2			23	6	3				3				3	
Geophysics & Seismology	4	1					4	1					4	1	3				3				3	
Metallurgy	6	1					6	1					6	1	7				7				7	
Psychology																								
Psychology, General	2		4	4			6	4	7	3			13	7	7	7	6	3	13	10	13	6	26	16
Public Affairs & Services																								
Public Administration	4	1					4	1	62	7			66	8										
Social Work & Helping Services	30	68					30	68					30	68	3	5			3	5			3	5
Parks & Recreation Management	7	5					7	5	17	9			24	14	3				3				3	

---

b Includes one Master of Philosophy degree.

TABLE 14 (cont.)

Major Field of Study	Masters' U of U M	W	USJ M	W	WSC M	W	Total Public M	W	BYU M	W	West-minster M	W	Total M	W	Doctors'a U of U M	W	USU M	W	Total Public M	W	BYU M	W	Total M	W
Social Sciences																								
Social Sciences, General			4	5			4	5					4	5										
Anthropology	5	3					5	3	2				7	3	1	1			1	1			1	1
Economics	5	2	8				13	2	2				15	2	3	1	2		5	1			5	1
History	5	2	2	1			7	3	9	4			16	7	3				3		1	1	4	1
Geography	3	4					3	4	3				6	4	2				2				2	
Political Sciences & Government		1	3	1			3	2	5	1			8	3										
Sociology	1		1				2		1	1			3	1	1	1			1	1	1		2	1
International Relations									2	2			2	2										
Interdisciplinary Studies																								
Humanities & Social Sciences									3	1			3	1										
General Liberal Arts & Sciences																					1		1	
Totals	486	336	314	165	13	18	813	519	738	270	10	20	1,561	809	131	50	54	20	185	70	110	43	295	113
	822		479		31		1,332		1,008		30		2,370		181		74		255		153		408	

Sources: HEGIS Reports, 1981-82.

TABLE 15
Utah System of Higher Education
Degrees and Awards Based on Less than Four Years of Work Beyond High School by Public Institutions, 1981-82

	Curriculums of Two or More Years But Less than Four Years			Curriculums of at least One Year But Less Than Two Years	Total Curriculum Less Than Four Years Beyond High School
	Associate Degrees	Other Formal Recognition	Total		
Public					
University of Utah	2	-	2	-	2
Utah State University	-	63	63	73	136
Weber State College	594	4	598	67	665
Southern Utah State College	-	66	66	51	117
Snow College	245	-	245	37	282
Dixie College	258	29	287	86	373
College of Eastern Utah	114	-	114	46	160
Utah Technical College/Provo	340	100	440	188	628
Utah Technical College/Salt Lake	341	101	442	430	872
Total Public	1,894	363	2,257	978	3,235
Private					
Brigham Young University	374	-	374	-	374
LDS Business College	110	-	110	96	206
Stevens Henager College/Ogden & Provo	105	54	159	-	159
Total Private	589	54	643	96	739
Total Public & Private	2,483	417	2,900	1,074	3,974

Sources: HEGIS Reports, 1981-82.

TABLE 16
Utah System of Higher Education
Associate Degrees Conferred by Public and Private Institutions
1977-78 Through 1981-82

Institution	1977-78	1978-79	1979-80	1980-81	1981-82
Systems Institutions					
University of Utah	17	--	3	10	2
Utah State University	--	--	--	--	--
Weber State College	439	411	481	552	594
Southern Utah State College	--	--	--	--	--
Snow College	206	224	232	238	245
Dixie College	275	217	219	258	258
College of Eastern Utah	112	104	95	118	114
Utah Technical College at Provo	226	199	203	284	340
Utah Technical College at Salt Lake	339	342	336	380	341
Total, System Institutions	1,614	1,497	1,569	1,840	1,894
Yearly Percentage Increase	17.3	(7.2)	4.8	17.3	2.9
Private Institutions					
Brigham Young	435	410	447	396	374
LDS Business College	73	95	85	80	110
Stevens Henager College	53	61	84	85	105
Total, Private Institutions	561	566	616	561	589
Yearly Percentage Increase	(10.5)	0.9	8.8	(8.9)	5.0
Total Associate Degrees Awarded in Utah	2,175	2,063	2,185	2,401	2,483
Total Percent of Increase for all Utah Institutions	8.6	(5.1)	5.9	9.9	3.4

Sources: HEGIS Reports, 1977-78 through 1981-82.

TABLE 17A
Utah System of Higher Education
Degrees and Awards Based on Less Than Four Years of Work Beyond High School
- Curriculums of Two or More But Less Than Four Years -
Public Institutions, 1981-82

Curriculums	U of U		USU		WSC		SUSC		SNOW	
	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition
ARTS AND SCIENCE OR GENERAL PROGRAMS NOT ORGANIZED AS OCCUPATIONAL CURRICULUMS										
Total Section 1	2				155				210	
SCIENCE OR ENGINEERING RELATED ORGANIZED OCCUPATIONAL CURRICULUM AT THE TECHNICAL OR SEMI-PROFESSIONAL LEVEL										
Data Processing Technologies										
Data Processing Technologies, General					20	1				
Health Services & Paramedical Technologies										
Medical Assistant & Medical Office Assistant Technologies										
Paramedical Technologies					3					
Psychiatric Technologies										
Licensed Practical Nursing										
Dental Hygiene Technologies					9					
Medical or Biological Laboratory Assistant Technologies					17					
Radiologic Technologies					8					
Nursing, Less than Four-year RN					262					
Inhalation Therapy Technologies					13					
Mechanical Engineering Technologies										
Mechanical & Engineering Technologies General					3					
Aeronautical & Aviation Technologies				3						
Engineering Graphics					3					
Architectural Drafting Technologies				4	9					
Instrumentation Technologies										
Automotive Technologies				1	5			3		
Construction & Building Technologies								4		
Welding Technologies					2	1		3		
Industrial Technologies										
Supervisory Mining Technologies										
Diesel Technologies					4	1				
Mechanical Technologies										
Electronics & Machine Technolologies					13			6		

TABLE 17A (cont.)

Curriculums	U of U Assoc. Degree	U of U Other Formal Recognition	USU Assoc. Degree	USU Other Formal Recognition	WSC Assoc. Degree	WSC Other Formal Recognition	SUSC Assoc. Degree	SUSC Other Formal Recognition	SNOW Assoc. Degree	SNOW Other Formal Recognition
Natural Science Technologies										
Agricultural Technologies				15				1		
Home Economics Technologies					5				2	
Food Service Technologies										
Interior Design Technologies					1					
Total Section 2				23	377	3		17	2	
NONSCIENCE- & NONENGINEERING-RELATED ORGANIZED OCCUPATIONAL CURRICULUMS AT THE TECHNICAL OR SEMI-PROFESSIONAL LEVEL										
Business & Commerce Technologies										
Business & Commerce Technologies General								2		
Accounting Technologies										
Marketing, Distribution, Purchasing, Business, & Industrial Management Technologies					24				25	
Secretarial Technologies				40	22	1		18		
Personal Service Technologies										
Communications & Broadcastings Technologies										
Hotel & Restaurant Technologies										
Transportation & Public Utilities Technologies					6					
Applied, Graphic, and Fine Arts Technologies									8	
Banking & Finance Technologies										
Public Service-related Technologies										
Music Technologies										
Fire Control Technologies										
Library Assistant Technologies										
Nursery Assistant Technologies										
Education Technologies								18		
Police, Law Enforcement, & Corrections Technologies					10			11		
Total Section 3				40	62	1		49	33	
Total Sections 1-3	2			63	594	4		56	245	

Sources: HEGIS Reports, 1981-82.

TABLE 17B
Utah System of Higher Education
Degrees and Awards Based on Less Than Four Years of Work Beyond High School
- Curriculums of Two or More But Less Than Four Years -
Public Institutions, 1981-82

	Dixie		CEU		UTC/Provo		UTC/SLC		Total Public	
Curriculums	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition
ARTS AND SCIENCE OR GENERAL PROGRAMS NOT ORGANIZED AS OCCUPATIONAL CURRICULUMS										
Total Section 1	208		99		36				710	
SCIENCE OR ENGINEERING RELATED ORGANIZED OCCUPATIONAL CURRICULUM AT THE TECHNICAL OR SEMI-PROFESSIONAL LEVEL										
Data Processing Technologies										
Data Processing Technologies, General					9		50		79	1
Health Services & Paramedical Technologies										
Medical Assistant & Medical Office Assistant Technologies										
Paramedical Technologies									3	
Psychiatric Technologies					1				1	
Licensed Practical Nursing										
Dental Hygiene Technologies									9	
Medical or Biological Laboratory Assistant Technologies									17	
Radiologic Technologies					3				11	
Nursing, Less than Four-year RN									252	
Inhalation Therapy Technologies									13	
Mechanical Engineering Technologies										
Mechanical & Engineering Technologies General									3	
Aeronautical & Aviation Technologies		11								14
Engineering Graphics					25		23		51	
Architectural Drafting Technologies	8						11	1	28	5
Instrumentation Technologies					40	16			40	16
Automotive Technologies	1	1			2	14	8	22	16	41
Construction & Building Technologies					16	21	15	31	31	55
Welding Technologies			2		10	9	11	15	25	29
Industrial Technologies										
Supervisory Mining Technologies			4						4	
Diesel Technologies					10	23	5	27	19	51
Mechanical Technologies					7				7	
Electronics & Machine Technolologies			3		51	2	59	3	126	11

TABLE 17B (cont.)

Curriculums	Dixie		CEU		UTC/Provo		UTC/SLC		Total Public	
	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition
Natural Science Technologies										
Agricultural Technologies										15
Home Economics Technologies	2	3							9	3
Food Service Technologies	1								1	
Interior Design Technologies									1	
Total Section 2	12	15	9		174	85	182	99	756	242
NONSCIENCE- & NONENGINEERING-RELATED ORGANIZED OCCUPATIONAL CURRICULUMS AT THE TECHNICAL OR SEMI-PROFESSIONAL LEVEL										
Business & Commerce Technologies										
Business & Commerce Technologies General							55		56	2
Accounting Technologies					22	1	46		58	1
Marketing, Distribution, Purchasing, Business, & Industrial Management Technologies	10	8			40	5			99	13
Secretarial Technologies	12	5	4		35	9	9		92	73
Personal Service Technologies	5	1							5	1
Communications & Broadcastings Technologies										
Hotel & Restaurant Technologies					5		1		6	
Transportation & Public Utilities Technologies							15		21	
Applied, Graphic, and Fine Arts Technologies	6				14		20	2	48	2
Banking & Finance Technologies							2		2	
Public Service-related Technologies										
Music Technologies	1								1	
Fire Control Technologies					14				14	
Library Assistant Technologies										
Nursery Assistant Technologies	4								4	
Education Technologies			2						2	18
Police, Law Enforcement, & Corrections Technologies									10	11
Total Section 3	38	14	6		130	15	159	2	428	121
Total Sections 1-3	258	29	114		340	100	341	101	1,894	363

Sources: HEGIS Reports, 1981-82.

TABLE 17C
Utah System of Higher Education
Degrees and Awards Based on Less Than Four Years of Work Beyond High School
- Curriculums of Two or More But Less Than Four Years -
Private Institutions, 1981-82

	BYU		LDS Bus.Coll.		Stevens Henager		Total Private		Total All	
Curriculums	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition	Assoc. Degree	Other Formal Recognition
ARTS AND SCIENCE OR GENERAL PROGRAMS NOT ORGANIZED AS OCCUPATIONAL CURRICULUMS										
Total Section 1	138		14				152		862	
SCIENCE OR ENGINEERING RELATED ORGANIZED OCCUPATIONAL CURRICULUM AT THE TECHNICAL OR SEMI-PROFESSIONAL LEVEL										
Data Processing Technologies										
Data Processing Technologies, General	25		15				40		119	1
Health Services & Paramedical Technologies										
Medical Assistant & Medical Office Assistant Technologies					10	1	10	1	10	1
Paramedical Technologies									3	
Psychiatric Technologies										1
Licensed Practical Nursing	173						173		173	
Dental Hygiene Technologies									9	
Medical or Biological Laboratory Assistant Technologies									17	
Radiologic Technologies									11	
Nursing, Less than Four-year RN									262	
Inhalation Therapy Technologies									13	
Mechanical Engineering Technologies										
Mechanical & Engineering Technologies General									3	
Aeronautical & Aviation Technologies	1						1		1	14
Engineering Graphics									51	
Architectural Drafting Technologies	6						6		34	5
Instrumentation Technologies									40	16
Automotive Technologies									16	41
Construction & Building Technologies									31	56
Welding Technologies									25	28
Industrial Technologies	1						1		1	
Supervisory Mining Technologies									4	
Diesel Technologies									19	51
Mechanical Technologies									7	
Electronics & Machine Technolologies	3						3		129	11

TABLE 17C (cont.)

Curriculums	BYU Assoc. Degree	BYU Other Formal Recog-nition	LDS Bus.Coll. Assoc. Degree	LDS Bus.Coll. Other Formal Recog-nition	Stevens Henager Assoc. Degree	Stevens Henager Other Formal Recog-nition	Total Private Assoc. Degree	Total Private Other Formal Recog-nition	Total All Assoc. Degree	Total All Other Formal Recog-nition
Natural Science Technologies										
Agricultural Technologies										16
Home Economics Technologies	1						1		10	3
Food Service Technologies									1	
Interior Design Technologies									1	
Total Section 2	210		15		10	1	235	1	991	243
NONSCIENCE- & NONENGINEERING-RELATED ORGANIZED OCCUPATIONAL CURRICULUMS AT THE TECHNICAL OR SEMI-PROFESSIONAL LEVEL										
Business & Commerce Technologies										
Business & Commerce Technologies General			15				15		81	2
Accounting Technologies			25		41	8	66	8	134	9
Marketing, Distribution, Purchasing, Business, & Industrial Management Technologies			26		19		45		144	13
Secretarial Technologies	8		15		21	45	44	45	126	118
Personal Service Technologies									5	1
Communications & Broadcastings Technologies	1						1		1	
Hotel & Restaurant Technologies									6	
Transportation & Public Utilities Technologies					14		14		35	
Applied, Graphic, and Fine Arts Technologies	11						11		50	2
Banking & Finance Technologies									2	
Public Service-related Technologies										
Music Technologies									1	
Fire Control Technologies									14	
Library Assistant Technologies	2						2		2	
Nursery Assistant Technologies									4	
Education Technologies									2	18
Police, Law Enforcement, & Corrections Technologies	4						4		14	11
Total Section 3	26		81		95	53	202	53	630	174
Total Sections 1-3	374		110		105	54	589	54	2,483	417

Sources: HEGIS Reports, 1981-82.

TABLE 18
Utah System of Higher Education
Number of Teachers Recommended for Certification
Classified by Level and Institution, 1978 Through 1982

Institution		1978	1979	1980	1981	1982*
Southern Utah State College	Early Childhood	--	--	--	--	--
	Elementary	41	44	49	73	80
	Secondary	65	52	58	53	59
	Ungraded	--	--	--	--	--
	Total	106	96	107	126	139
University of Utah	Early Childhood	27	30	43	23	27
	Elementary	97	105	115	67	93
	Secondary	139	111	110	85	76
	Ungraded	128	79	66	81	--
	Total	391	325	334	256	196
Utah State University	Early Childhood	24	10	10	14	12
	Elementary	84	133	139	128	132
	Secondary	156	171	173	129	126
	Ungraded	74	51	44	44	40
	Total	338	365	366	315	310
Weber State College	Early Childhood	11	6	13	7	8
	Elementary	85	75	84	78	85
	Secondary	84	63	75	60	69
	Ungraded	--	--	--	--	--
	Total	180	144	172	145	162
Total State Institutions	Early Childhood	62	46	66	44	47
	Elementary	307	357	387	346	390
	Secondary	444	397	416	327	330
	Ungraded	202	130	110	125	40
	Total	1,015	930	979	842	807

---

*Estimated

TABLE 18 (cont.)

Institution		1978	1979	1980	1981	1982*
Brigham Young University	Early Childhood	90	83	85	57	59
	Elementary	399	421	440	375	390
	Secondary	405	449	437	312	305
	Ungraded	256	270	268	130	112
	Total	1,150	1,223	1,230	874	866
Westminster College	Early Childhood	20	11	8	10	10
	Elementary	17	18	18	22	15
	Secondary	13	11	9	7	4
	Ungraded	--	--	--	--	--
	Total	50	40	35	39	29
Total All Institutions	Early Childhood	172	140	159	111	115
	Elementary	723	796	845	743	795
	Secondary	862	857	862	646	639
	Ungraded	458	400	378	255	152
	Total	2,215	2,193	2,244	1,755	1,702
Percent Change Over Previous Year		(.2)	(1.0)	2.3	(21.8)	(3.0)

*Estimated.

Source: Utah State Office of Education, Status of Teacher Personnel in Utah 1981-82 (Salt Lake City: Utah State Office of Education, 1982), p. 108.

TABLE 19

Utah System of Higher Education
Number of Elementary and Secondary Teachers Graduating from Utah Colleges and Universities and Accepting Teaching Positions in Utah
1979-80 and 1980-81

Name of Institution	Number Recommended For Certificate 1979-80	Number Recommended For Certificate 1980-81	Number Teaching in State 1979-80	Number Teaching in State 1980-81	Percent Accepting Positions in Utah 1979-80	Percent Accepting Positions in Utah 1980-81
University of Utah	367	256	88	107	24.0	41.8
Utah State University	384	315	195	147	50.8	46.7
Weber State College	178	145	104	81	58.4	55.9
Southern Utah State College	113	126	67	66	59.3	52.4
Brigham Young University	897	874	359	323	40.0	37.0
Westminster College	37	39	19	26	51.4	66.7
Totals	1,976	1,755	832	750	42.1	42.7

Source: Utah State Office of Education, Status of Teacher Personnel in Utah, 1981-82 (Salt Lake City: Utah State Office of Education, 1982), p. 111.

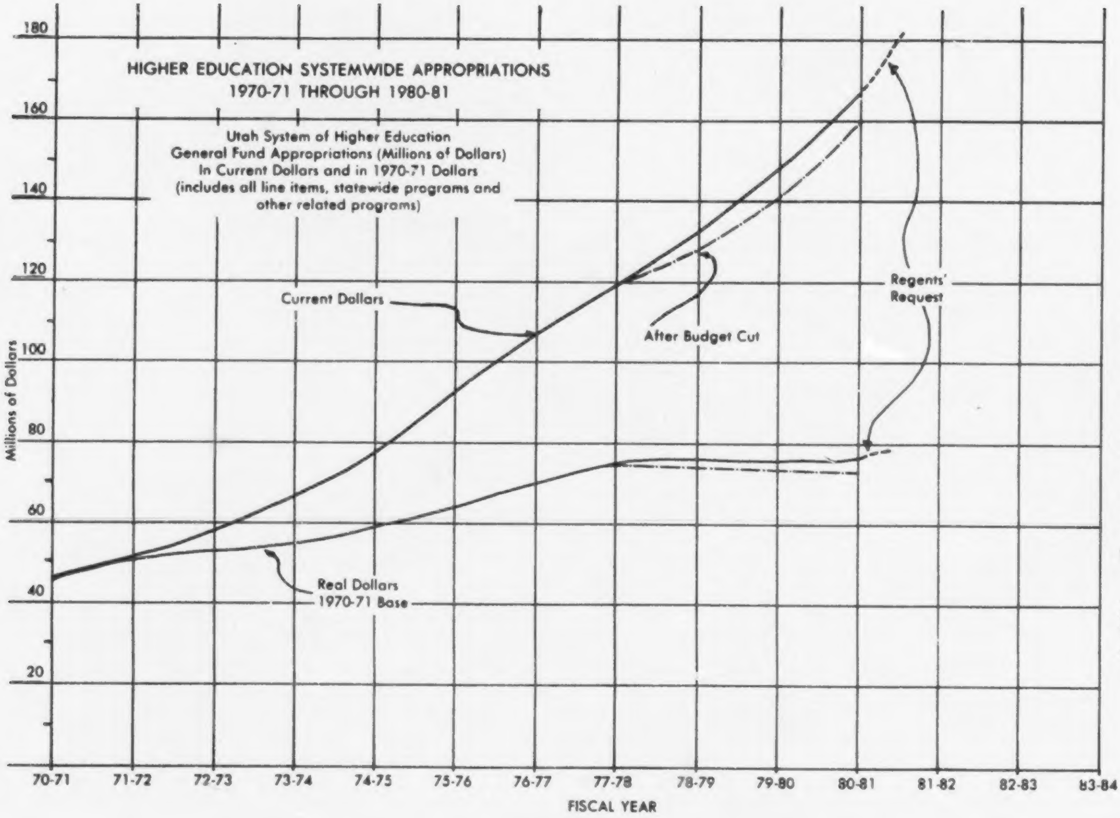
TABLE 20
Utah System of Higher Education
Number of Students Graduating from Utah Institutions
of Higher Education in Elementary and Secondary Education
and Percent Accepting Teaching Positions in Utah
1966-67 Through 1980-81

Year	Number of Institutions	Number of Graduates in Elementary & Secondary Education	Accepted Teaching Positions in Utah	
			Number	Percent
1966-67	6	2,524	1,236	49
1967-68	6	2,688	1,245	46
1968-69	6	2,967	1,239	42
1969-70	6	3,160	1,041	33
1970-71	6	3,379	1,101	33
1971-72	6	2,957	1,005	34
1972-73	6	3,008	955	32
1973-74	6	2,620	936	36
1974-75	6	2,241	818	37
1975-76	6	2,147	748	35
1976-77	6	2,220	954	43
1977-78	6	2,215	1,042	47
1978-79	6	2,193	1,037	47
1979-80	6	1,976	832	42
1980-81	6	1,755	750	43
Totals		38,050	14,939	39

Source: Utah State Office of Education, Status of Teacher Personnel in Utah, 1981-82 (Salt Lake City: Utah State Office of Education 1982), p. 111.

IV. BUDGETS AND FINANCE

FIGURE 1



Year	Appropri-ations	Appropri-ations in 1970-71 Dollars
1970-71	$ 46.3	$46.3
1971-72	52.4	50.5
1972-73	57.2	52.6
1973-74	65.6	55.6
1974-75	76.5	58.9
1975-76	88.1	63.1
1976-77	103.4	69.8
1977-78	119.6	75.5
1978-79	132.0130.1[a]	75.8 74.8[a]
1979-80	146.2140.5[b]	75.0 72.1[b]
1980-81	161.0155.4[b]	73.8 71.2[b]
1981-82[c]	189.0	77.3

---

[a] After Governor's Savings cut of $1,986,500.

[b] After Governor's and/or Legislators' cut.

[c] Regents' request.

The Utah State Board of Regents approved a base budget of $258,602,997 for the Utah System of Higher Education (including statewide programs and other related programs) for the fiscal year 1982-83. This is an increase of $30,346,997 or 13.30 percent over the 1981-82 budget of $228,256,000. The current year budget is financed in part by appropriations of $196,665,997 which is an increase of $23,095,997, or 13.31 percent over the previous year's appropriations. The remainder of funding for the 1982-83 budget is $61,937,000 and consists of tuition and fees, reimbursed overhead, mineral lease funds, federal funds and miscellaneous revenue. Approximately two-thirds of the collections other than General Fund appropriations were obtained from tuition and fees assessed to students.

In the past several years, institutions of higher education as well as other state agencies have suffered a series of budget reductions because of shortfalls in state revenue. During fiscal year 1981-82 there was no budget reduction. However, effective July 1, 1982, an appropriation reduction of two percent was requested because of anticipated shortfall in state revenue for fiscal year 1982-83.

The tuition rate increase for 1982-83 was approved by the legislature at eight percent.

TABLE 1 Utah System of Higher Education Summary of General Fund Appropriations (Including All Line Items) In Thousands of $ 1978-79 Through 1982-83. p. 70.

TABLE 2 Utah System of Higher Education Student Tuition and Fees for the Academic Year 1982-83. p. 71.

TABLE 3 Utah System of Higher Education Revenue From Operations by Institution in Thousands of $ 1980-81 and 1981-82. p. 72.

TABLE 4 Utah System of Higher Education Expenditures for Operation by Institution in Thousands of $ 1980-81 and 1981-82. p. 73.

TABLE 5 Utah System of Higher Education Total Revenue for Education and General by Institution in Thousands of $ 1980-81 and 1981-82. p. 74

UTAH GUARANTEED STUDENT LOAN PROGRAM

The creation of a guaranteed student loan program through the passage of the Federal Higher Education Act of 1965 followed a long-standing national commitment to and belief in the value of post-secondary school education for the nation and the individual alike. In fulfilling these commitments, the Utah Guaranteed Student Loan Program was established in 1977 by state law and is operated by the Utah State Board of Regents.

To date, increasing tuition costs have made the student loan program not only attractive, but frequently a necessary financial solution for both students and parents. This is demonstrated by the magnitude of the program both nationally and in the state of Utah.

All fifty states now administer a guaranteed student loan program (GSLP) whereby eligible students can receive funds to cover post-secondary educational expenses and delay payment until withdrawal from school. In addition to the GLSP, the Board of Regents also operates the PLUS Program. This is a program of loan insurance for independent undergraduate students, graduate and professional students and the parents of dependent undergraduate students who wish to borrow funds to meet educational costs.

The Guaranteed Student Loan program in Utah consists of two entities: (1) Utah Higher Education Assistance Authority, (2) State Board of Regents of the State of Utah Student Loan Purchase Program.

Utah Higher Education Assistance Authority (UHEAA) is the state agency which governs the Guaranteed Student Loan Program. The Higher Education Loan Act (53-47-1, Utah Code Annotated 1953) designated the State Board of Regents as the Utah Higher Education Assistance Authority with separate duties and responsibilities.

The Utah Higher Education Loan Act of 1977 also provided authority to the State Board of Regents to create a secondary market for the purpose of purchasing student loans from participating lenders. The objective of the program is to provide lenders with capital to make additional student loans. Since inception of the purchase program, approximately $80 million in student loans has been purchased from Utah participating lenders.

The Board has used a variety of financing mechanisms for raising capital. The particular vehicle used depends upon current money market conditions, stability in servicing operations and the confidence national investors have in the administrators of the program. The following identifies the various financing mechanisms that have been used by the Board:

1. In January, 1979 a student loan revenue bond was issued in the amount of $47.4 million.
2. In July 1980, a local line of credit for $11 million was established through Zions First National Bank and First Security Bank of Utah.
3. A $80 million line of credit was established in August 1981 with Morgan Guaranty Trust Company of New York City acting as agent and lead bank. The $11 million local line of credit was repaid with these funds. During 1982, the line of credit with Morgan Guaranty was extended to $80 million. Search for additional sources of capital is continuing. It is recognized that adequate funds for the secondary market is essential for continued and increased lender participation.

In the early stages of the Utah loan program, out-of-state agencies were engaged for the servicing and guarantee activities. In April 1980, Utah Education Loan Services (UELSI), a private, non-profit organization was formed to provide loan servicing and guarantee processing. Substantially all functions of the Utah Guaranteed Student Loan Program are performed by UELSI as agent for the Board of Regents and UHEAA. UELSI is managed by William A. Paasch, President. A minority of the five-person Board of Directors of UELSI are members of the Board of Regents. They are: J. Lynn Dougan, Chairman; W. Hughes Brockbank, Vice Chairman. Other officers of the program include Arvo Van Alstyne, Executive Director; and Richard O. Davis, Deputy Executive Director.

In the past five years, Utah has developed a comprehensive guaranteed student loan program, servicing borrowers throughout the state. It has fostered a public-private partnership in an effort to insure that no Utah Student who needs a loan is denied access to the program. In the 1981-82 academic year, for example, over 20,000 students received in excess of $41 million in guaranteed student loans from participating private lenders. On December 31, 1982, UHEAA had guaranteed student loans outstanding with an original principal amount of $148 million.

INTERNAL AUDIT SECTION

In recent years, the internal audit section has been responsible for providing professional quality audit services as directed by the Board of Regents' Audit Review Subcommittee and by the Commissioner. These responsibilities have included the conducting of internal audits for the six smaller state-owned colleges and the coordination of audits on all campuses, including the University of Utah, Utah State University and Weber State College, which have their own internal audit staffs.

On a regular basis, the audit department provides general assistance to management at the institutions and when called upon, serves as special consultant to the presidents of the institutions on various financial and/or operational matters.

Most recently, audits have been comopleted for Student Financial Aid, Auxiliary Enterprises, Enrollment and Money Management.

During the 1982-83 fiscal year, it is anticipated that student financial aid, money management, overhead reimbursement, computer services and purchasing and stores will be audited. The Commissioner's Ofice has received approval from the Department of Education for the internal audit staff to prepare independent audit reports on behalf of the federal government for the campus-based student financial aid audits required at the state institutions.

TABLE 1
Utah System of Higher Education
Summary of General Fund Appropriations (Including All Line Items) in Thousands of $
1978-79 Through 1982-83

	1978-79	1979-80	1980-81	1981-82	1982-83[g]
University of Utah	$ 59,363	$ 65,341	$ 71,279	$ 77,990	$ 87,899
Utah State University	30,159	33,314	37,121	39,813	45,074
Weber State College	15,563	17,120	19,216	20,456	23,433
Southern Utah State College	4,703	5,263	5,802	6,285	7,179
Snow College	2,547	2,875	3,172	3,418	3,961
Dixie College	2,508	2,853	3,168	3,461	3,906
College of Eastern Utah	1,966	2,280	2,571	2,776	3,179
Utah Technical College/Provo	5,167	5,845	6,477	6,992	7,914
Utah Technical College/Salt Lake	6,046	6,847	7,458	7,953	9,018
Board of Regents Administration	688	766	778	888	991
Statewide Programs[a]	1,772	1,990	2,179	2,223	2,634
Other Related Programs[b]	1,565	1,711	1,765	1,315[g]	1,480
USHE Total	$132,047[c]	$146,207[d]	$160,985[e]	$173,570[f]	$196,666[f]

---

[a] Includes: Student Loan, WICHE, Computer Service and Uniform Accounting System, Cooperative Nursing, Statewide Television and Intercollegiate Assembly.

[b] Includes: Skills Centers, KUED and County Translators, USU Production Center, Zion Park Amphitheater and Fifth Pathway Program.

[c] Original appropriation prior to a $1,986,500 Governor's reduction.

[d] Original appropriation prior to a $5,757,561 Governor's reduction.

[e] Original appropriation prior to a 3 1/2 percent legislative cut.

[f] Skills Centers not included.

[g] Original appropriation prior to Governor's reduction.

Note: Sums may not agree to total due to rounding.

TABLE 2
Utah System of Higher Education
Student Tuition and Fees for Academic Year
1982-83

	Universities		4-Year Colleges		2-Year Colleges			Technical Colleges	
	U of U	USU	WSC	SUSC	Snow	Dixie	CEU	UTC/P	UTC/SL
Tuition & Registration									
Resident Students	802.50	684.00	588.00	561.00	471.00	471.00	471.00	471.00	501.00
Nonresident Students	2,569.50	2,199.00	1,881.00	1,797.00	1,509.00	1,509.00	1,509.00	1,509.00	1,539.00
Other Fees									
Student Activity	27.00	39.00	25.95	52.50	49.50	45.00	51.00	24.00	15.00
Building Fee	91.50	62.00	78.99	69.00	48.00	75.00	42.00	75.00	48.00
Athletic Fee	30.00	51.00	35.76	39.00	36.00	30.00	40.50	18.00	--.--
Union Building Fee	--	--	17.55	13.50	12.00	33.00	30.00	33.00	39.00
Lectures, Theatres Concerts, etc.	--	--	3.00	--	6.00	--	--	--	--
Med. Insurance or Health Service	8.25	15.00	9.00	--	12.00	--	--	6.00	3.00
Other	6.75	1.00	3.75	--	31.50	12.00	16.50	--	--
Total Other Fees	163.50	168.00	174.00	174.00	195.00	195.00	180.00	156.00	105.00
Total Tuition & Fees Charged Each Full-time Student per Academic Yr.									
Resident Students	966.00	852.00	762.00	735.00	666.00	665.00	651.00	527.00	506.00
Nonresident Students	2,733.00	2,367.00	2,055.00	1,971.00	1,704.00	1,704.00	1,689.00	1,665.00	1,644.00

---

a. Academic Year Tuition for the School of Med. & College of Law are as follows:

	School of Med.	College of Law
Resident Students		
Tuition	$2,917.50	$802.50
Tuition Fees	3,081.00	966.00
Nonresident Students		
Tuition	6,748.50	2,569.50
Tuition Fees	6,912.00	2,733.00

b. Tuition for 15 hours per quarter
c. Recreation Fee
d. Class Fee
e. Student Service Building
f. Yearbook $12.00; Activity Center $19.50
g. Yearbook
h. Alumni fee, $3.00; Departmental Activity, $13.50

TABLE 3
Utah System of Higher Education
Revenue From Operations By Institution
In Thousands of $ 1980-81 And 1981-82

Institution	1980-81 Actual					1981-82 Actual				
	General Fund Appropri- ation (1)	% (2)	Other Operating Revenue (3)	% (4)	Total 100% (5)	General Fund Appropri- ation (6)	% (7)	Other Operating Revenue (8)	% (9)	Total 100% (10)
University of Utah	$ 68,784	77	$ 20,780	23	$ 89,564	$78,380	77	23,756	23	$102,135
Utah State University	35,851	72	14,256	28	50,107	39,813	70	16,824	30	56,637
Weber State College	18,544	75	6,119	25	24,663	20,456	76	6,544	24	27,000
Southern Utah State College	5,599	82	1,264	18	6,863	6,285	82	1,381	18	7,666
Snow College	3,061	83	628	17	3,689	3,443	82	738	18	4,180
Dixie College	3,108	81	728	19	3,836	3,461	80	853	20	4,314
College of Eastern Utah	2,496	84	464	16	2,960	2,784	83	567	17	3,351
Utah Technical College/Provo	6,250	72	2,450	28	8,700	7,100	68	3,287	32	10,387
Utah Technical College/Salt Lake	7,197	75	2,426	25	9,623	8,049	72	3,154	28	11,202
Board of Regents Administration	751	77	230	23	981	888	97	24	3	913
Statewide Programs	2,104	100	(5)	0	2,099	2,223	99	21	1	2,244
Other Related Programs	1,138	90	131	10	1,269	1,279*	81	304	19	1,583*
USHE Total	$154,883	76%	$ 49,471	24%	$204,354	174,161	75	57,453	25	231,614

* A total of $53,500 was appropriated to the Fifth Pathway Program. Of this amount, $35,667 lapsed and is not included in this report.

TABLE 4
Utah System of Higher Education
Expenditures For Operation By Institution In Thousands Of $
1980-81 And 1981-82

Institution	1980-81 Actual Education & General (1)	1980-81 Actual All Other Programs (2)	1980-81 Actual Total (3)	1981-82 Actual Education & General (4)	1981-82 Actual All Other Programs (5)	1981-82 Actual Total (6)
University of Utah	$ 77,368	$ 12,196	$ 89,564	$86,920	$15,215	$102,135
Utah State University	36,626	13,481	50,107	41,098	15,539	56,637
Weber State College	24,499	164	24,663	26,851	149	27,000
Southern Utah State College	6,802	61	6,863	7,588	78	7,666
Snow College	3,659	30	3,689	4,156	25	4,180
Dixie College	3,825	11	3,836	4,300	15	4,314
College of Eastern Utah	2,797	163	2,960	3,152	199	3,351
Utah Technical College/Provo	8,656	44	8,700	10,341	46	10,387
Utah Technical College/Salt Lake	9,571	52	9,623	11,147	55	11,202
Board of Regents Administration	-----	981	981	--	913	913
Statewide Programs	-----	2,099	2,099	--	2,244	2,244
Other Related Programs	-----	1,269	1,269	--	1,583	1,583
USHE Grand Total	$173,803	$ 30,551	$204,354	195,553	36,061	231,614

TABLE 5
Utah System of Higher Education
Total Revenues for Education and General By Institution in Thousands of $
1980-81 And 1981-82

Institution	1980-81 Actual Appropriation (1)	1980-81 Actual Student Tuition & Fees (2)	1980-81 Actual Other (3)	1980-81 Actual Total (4)	1981-82 Actual Appropriation (5)	1981-82 Actual Student Tuition & Fees (6)	1981-82 Actual Other (7)	1981-82 Actual Total (8)
University of Utah	$ 58,116	$15,391	$3,861	$ 77,368	$65,163	$17,140	$4,616	$86,920
Utah State University	26,621	8,460	1,545	36,626	29,592	9,279	2,228	41,098
Weber State College	18,383	5,468	648	24,499	20,289	5,971	591	26,851
Southern Utah State College	5,538	1,122	142	6,802	6,207	1,182	199	7,588
Snow College	3,036	559	64	3,659	3,422	683	51	4,156
Dixie College	3,095	683	47	3,825	3,448	719	132	4,300
College of Eastern Utah	2,390	332	75	2,797	2,656	377	119	3,152
Utah Technical College/Provo	6,206	1,905	545	8,656	7,054	2,285	1,002	10,341
Utah Technical College/Salt Lake	7,145	1,886	540	9,571	7,994	2,444	710	11,147
Total	$130,530	$ 35,806	$7,467	$173,803	$145,825	$40,079	$9,648	$195,553

V. PLANNING

STATEWIDE EDUCATIONAL TELEVISION

Developments in Utah's coordinated, statewide educational television and related telecommunication programs during 1981-82 include:

1. Receipt in January of a $811,000 telecommunications equipment grant from the National Telecommunications and Information Agency (NTIA). This inter-agency cooperative application, if awarded, will provide 75% federal support for: (a) replacement of five antiquated KUED translators needed to up-grade signal quality in southeastern and central Utah; (b) installation of 16 FM radio translators at key KUED mountain top translator sites to extend first-time educational radio service to many new areas of the state; (c) completion of key southern Utah leg of narrow band voice and data microwave system (being developed and operated by the State Departments of Transportation and Public Safety) to which educational units will have access; (d) installation at selected KUED translator sites of wide-band microwave equipment to extend two-way video and stero radio service to Southern Utah State College in Cedar City; and (e) refurbishment of Southern Utah State College's instructional television and radio facilities to enable the college to become the lead agency for a pilot regional-local telecom center which will extend educational benefits more widely and conveniently to underserved citizens of southern and southwestern Utah.

2. Continuation of educational telecommunications master planning under the direction of Dr. T. M. Williams, Coordinator of Statewide Television, and Dr. Steven Bennion, Associate Commissioner for Planning. Findings from prior user-needs, engineering and related studies utilized by master planning task force and development of recommendations to the Regents for application of a wide range of telecommunications technologies for support of education, training, information, and cultural programs in Utah. Recommendations of the task force adopted by the Board of Regents in April of 1982 called for the following: (a) establishment of a state educational telecommunications operation center at the University of Utah in connection with KUED and that the operation center be designed and equipped to accommodate a state-wide interconnection system through which to provide a variety of instructional, educational, and

administrative services and materials in a variety of formats; (b) a mutually satisfactory board or committee be established for developing fair and equitable criteria by which users may gain access to the interconnection system for carrying out their unique institutional missions; (c) the University of Utah continue to operate KUED with consideration in its programming and management decisions of input from its present advisory board, the proposed user board or committee, and such other groups or committees; (d) a system of public FM radio stations be established in Utah, using a combination of existing and contemplated regional/local stations and FM translators interconnected into a statewide network using developing interconnection systems; (e) system development and programming on the state's educational telecommunications systems be developed and distributed on the basis of regular surveys of the needs and concerns of current and prospective users and patrons; (f) the Board of Regents and State Legislature grant the earliest possible approvals for a proposed new building to house KUED, KUER, and related telecommunications facilities; and (g) the Regents and Office of the Commissioners' educational telecommunications administration and coordination function be redefined in accordance with current requirements.

3. Continuing progress in program to assist citizens, public schools, local public officials, colleges and universities, motel and resort/recreation facility operators, television viewers and potential viewers of KUED to improve their reception and make better use of the programs broadcasted by KUED.

4. Production by KUED--and release nationwide on Public Broadcasting Network--of several highly rated regional and national public affairs documentaries.

5. Leave of absence granted to Bruce Christensen, General Manager of KUED and Director of Media Services at the University of Utah to serve in Washington D.C. as President of the National Association of Public Television Stations on a full-time basis for two years. Milton Davis, former Associate Director of Media Services appointed as Acting General Manager of KUED Television and KUER radio with Fred Esplin continuing to serve as station manager for KUED.

6. Completion of first year of projected three-year experimental offering of telecourses on KUED. The statewide translator network and selected cable television systems. Five system institutions sponsored 16 courses and provided

local faculty course development and support services needed to grant degree credit to a total of 221 telecourse enrollees.

7. Filing of Utah Phase II Equipment and Facilities Grant Application with the National Telecommunications and Information Agency. This third consecutive grant application with NTIA (the first being a planning grant), if awarded would provide 75% federal support for: (a) extension of two-way television microwave interconnection system to Snow College in Ephraim and Utah Technical College in Orem; (b) moving SUSC FM radio transmitter to a mountain top transmission site to enable it to become a regional educational radio station; (c) acquisition of four additional FM radio translators for KUSU FM at Utah State University; (d) completion of the northern leg (Salt Lake to Logan) of the Departments of Transportation and Public Safety narrowband microwave system; (e) needed switching and signal routing equipment for State Educational Operation Center at KUED; (f) upgrading of Utah Technical College/ Orem's on campus production and television distribution system.

VETERANS EDUCATION APPROVAL PROGRAM

To enable persons who have served with the United States Armed Forces to further their social and economic readjustment to civilian life, Congress first authorized benefits for veterans and other eligible persons attending approved schools in 1944. The Office of the Commissioner now serves as the Utah State Approving Agency, administering the program under contract with the Veterans' Administration. This activity is coordinated through Dr. Sterling R. Provost.

For the federal fiscal year of 1982, no impacting legislation was enacted by Congress. However, one practical consideration of PL 96-466 (October, 1980) resulted in the vast majority of State approving agencies relinquishing approval authority for flight training to the VA, as the states could no longer be reimbursed for expenses incurred in the supervision of these schools. Thus, our office no longer retains responsibility in this connection.

Therefore, during 1981-82, sixty-four Utah institutions, offering in excess of a thousand programs of education and training, were serving some 4,000 veterans, their dependents, and other eligible persons.

These institutions, shown on the following list, are representative of the schools within the Utah System of Higher Education and the state's private higher education community.

A number of the proprietary noncollege schools provide training in cosmetology and barbering, medical and related, and other trade and technical areas. Also approved are adult public high schools and area vocational centers.

Together, the public, private, and proprietary institutions at all levels offer a broad range of academic education and vocational training programs suited to both the veteran and nonveteran student.

Four new schools (four different courses of instruction) were approved for veteran benefits during the past year. The three schools (three courses of instruction), whose approval for various reasons was withdrawn, are shown at the end of this narrative.

PUBLIC INSTITUTIONS

STATE UNIVERSITIES AND COLLEGES

University of Utah, Salt Lake
Utah State University, Logan
    Education Centers, Moab and Roosevelt
Weber State College, Ogden
Southern Utah State College, Cedar City
Snow College, Ephraim
Dixie College, St. George
College of Eastern Utah, Price
Utah Technical College, Provo
Utah Technical College, Salt Lake

AREA VOCATIONAL CENTERS

Bridgerland Area Vocational Center, Logan
Ogden/Weber Area Vocational Center, Ogden
Sevier Valley Technical Institute, Richfield
Uintah Basin Area Vocational Center, Roosevelt
Utah Technical College Skills Center, Salt Lake

ADULT PUBLIC HIGH SCHOOL PROGRAMS

Alpine School District, American Fork
Granite School District, Salt Lake
Jordan School District, Sandy

OTHER APPROVED PUBLIC INSTITUTIONS

Utah Peace Office Standards & Training Academy,
    Salt Lake

PROPRIETARY AND PRIVATE INSTITUTIONS

UNIVERSITIES AND COLLEGES

Brigham Young University, Provo
    Education Centers, Ogden and Salt Lake
Columbia College (branch), Salt Lake
LDS Business College, Salt Lake
Stevens Henager College, Ogden and Provo
Westminster College, Salt Lake

COSMETOLOGY AND BARBERING SCHOOLS

Beau LaReine College of Beauty, Logan
Continental College of Beauty, Salt Lake (2)
Hairitage College of Beauty, Salt Lake
Hollywood Beauty College, Clearfield, Kearns,
    Logan, Ogden, Orem, Provo, Salt Lake (2),
    Sandy, West Jordan, and West Valley
International Institute of Hair Design,
    Bountiful, Midvale, and Salt Lake
Jesse's Beauty College, Clearfield
Painter's College of Beauty, Ogden and Roy
Utah Barber College, Salt Lake
Utah Executive School of Barbering & Men's Hair
    Styling, Ogden

MEDICAL AND RELATED TRAINING

Holy Cross Hospital, Salt Lake
LDS Hospital, Salt Lake
St. Mark's Hospital, Salt Lake
SLC College of Medical and Dental Careers, Salt
    Lake
University of Utah Medical Center and Hospital,
    Salt Lake
Utah MEDEX, Salt Lake
Utah Valley Hospital, Provo

TRADE AND TECHNICAL SCHOOLS

Intermountain College of Court Reporting, Murray
Intermountain School of Broadcast, Salt Lake
PREP Institute, Salt Lake
Salt Lake School of Interior Design, Salt Lake
Technical Engineering Institute, Salt Lake
Violin-making School of America, Salt Lake

WITHDRAWN INSTITUTIONS

Becker CPA Review, Salt Lake
Dialysis Training Center, Salt Lake
(University Medical Center)
Ogden City School District, Ogden

LIAISON WITH THE PROPRIETARY EDUCATION SECTOR

The Utah Higher Education Act of 1969, Section 53-48-22, stated:

> As a future means of attaining a well-integrated and adequate system of post-high school education in Utah, the state board of higher education shall seek the co-operation of all private denominational and other post-high school educational institutions situated in this state and which are not supported by public funds.

In accordance therewith, Commissioner Van Alstyne appointed Dr. Sterling R. Provost to expand his assignment with veterans' affairs to include the correlation of the private school community. Dr. Provost's new title is Assistant Commissioner for Veterans Education and Proprietary School Affairs.

Dr. Provost has made direct contact with those institutions in the higher education sector. He also requested that the Commissioner call together an ad hoc steering committee of representatives from the noncollege sector.

Those so appointed were: Mr. Ray Anderson (Violin-making School), Salt Lake; Mr. & Mrs. John Cowan (Intermountain School of Broadcast), Salt Lake; ~~Mrs.~~ Shar Helm (Executive Model Shop), Salt Lake; Mr. Paul Kawakami (Mary Kawakami College of Beauty), Provo; Mr. Bryan Laker (Technical Engineering Institute) Salt Lake; Mrs. Sue Lipsman (SLC College of Medical and Dental Careers), Salt Lake; Mr. Gary O'Brien (O'Brien School of Real Estate), Salt Lake; and Mr. Dave Rodda (Utah State Division of Aeronautics), Salt Lake.

The panel's first meeting was held in August, 1982. Panel members will make recommendations to the Office of the Commissioner for consideration and appropriate inclusion in the 1983 work program.

Figure 1. Enrollment Planning Model

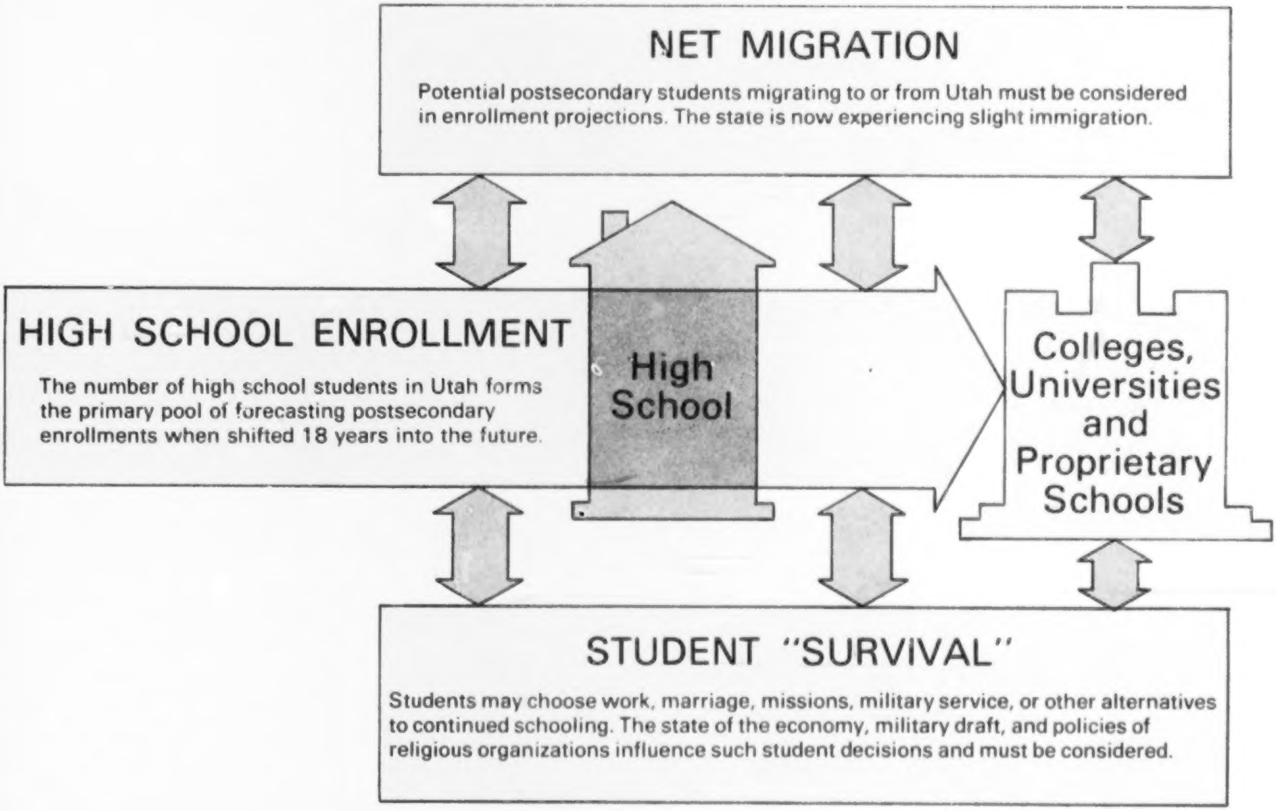
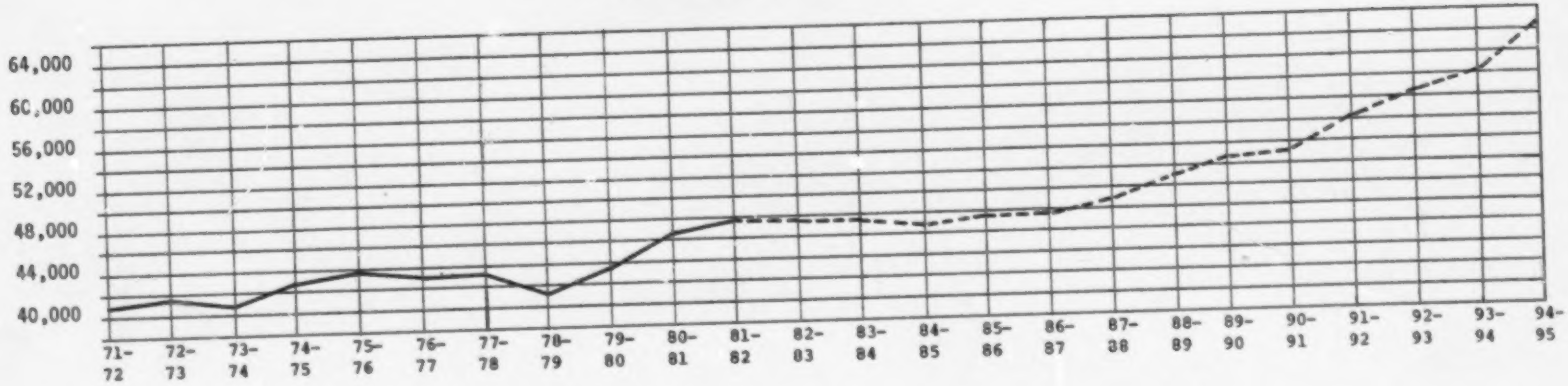

NET MIGRATION
Potential postsecondary students migrating to or from Utah must be considered in enrollment projections. The state is now experiencing slight immigration.
HIGH SCHOOL ENROLLMENT
The number of high school students in Utah forms the primary pool of forecasting postsecondary enrollments when shifted 18 years into the future.
High School
Colleges, Universities and Proprietary Schools
STUDENT "SURVIVAL"
Students may choose work, marriage, missions, military service, or other alternatives to continued schooling. The state of the economy, military draft, and policies of religious organizations influence such student decisions and must be considered.

FIGURE 2
Utah System of Higher Education
Academic Year FTE
Projected 1981-82 Through 1993-94



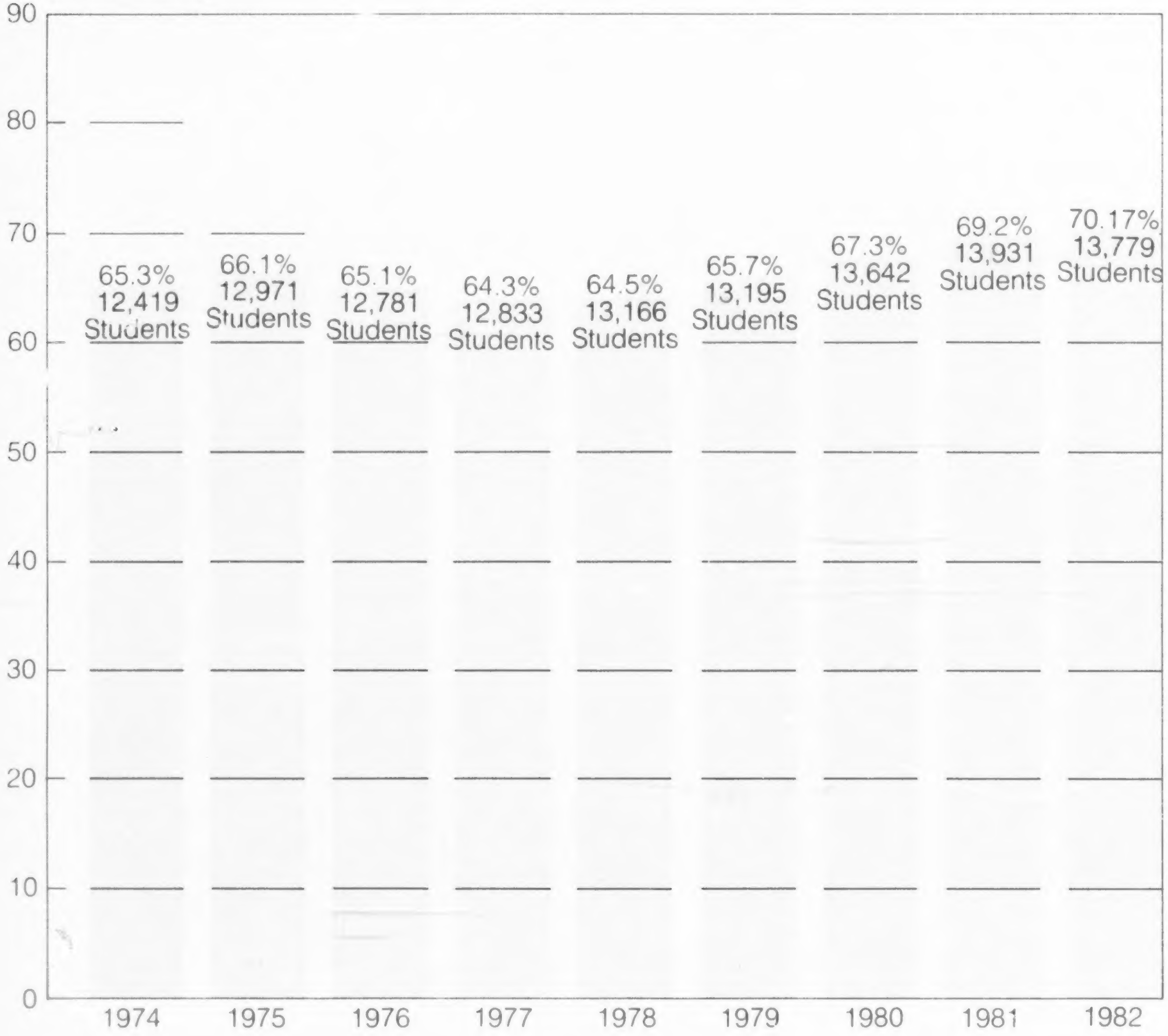
Schedule R-Z

Year	FTE
Actual	
1971-72	40,737
1972-73	40,916
1973-74	40,766
1974-75	42,476
1975-76	43,737
1976-77	42,968
1977-78	42,674
1978-79	41,300
1979-80	43,420
1980-81	46,420
1981-82	47,339

Year	FTE
Projected	
1982-83	47,290
1983-84	47,320
1984-85	46,875
1985-86	47,590
1986-87	47,930
1987-88	48,770
1988-89	51,140
1989-90	52,870
1990-91	53,160
1991-92	56,260
1992-93	58,590
1993-94	60,700
1994-95	64,490

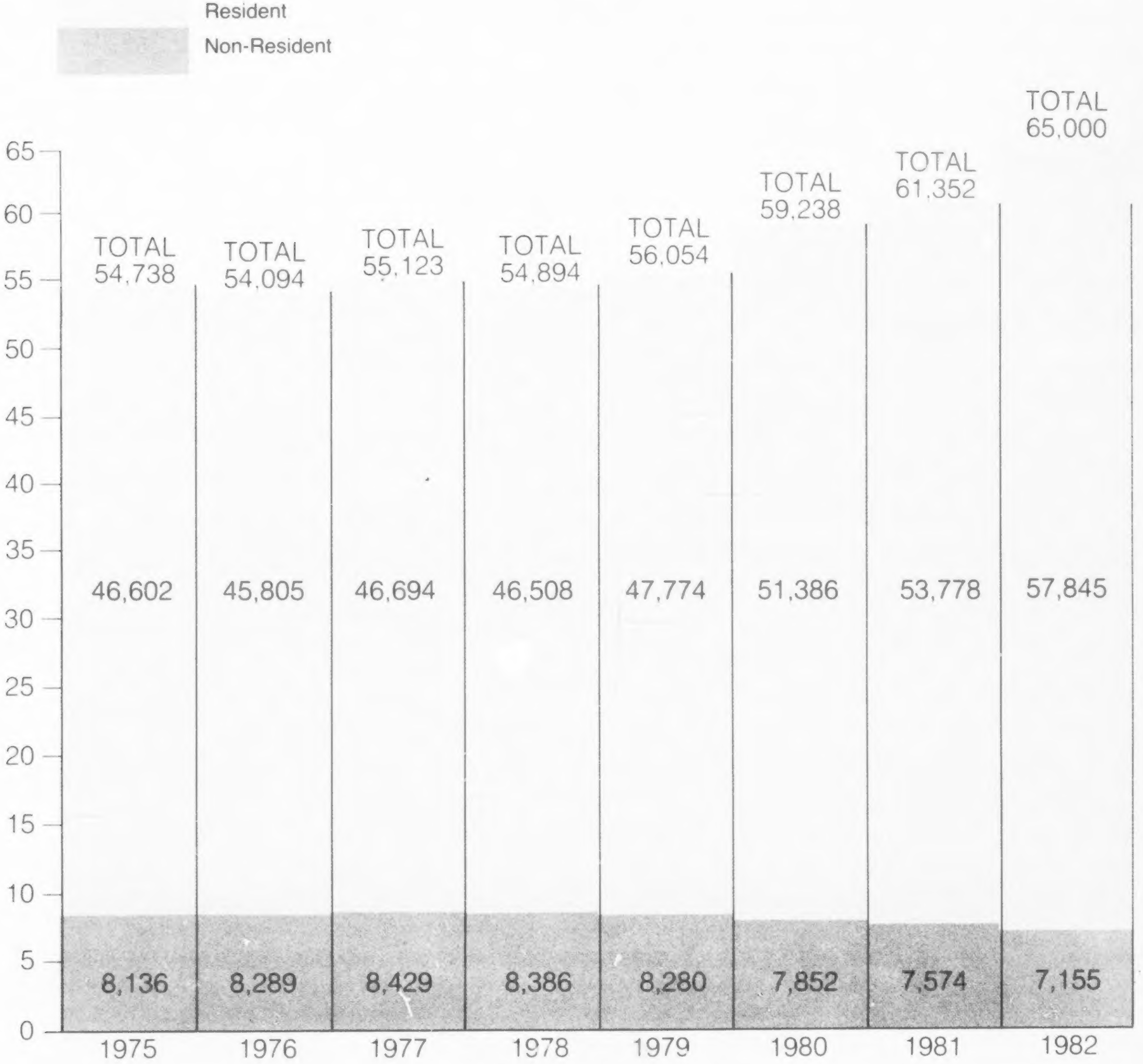
Figure 3. Post High School Intentions
Utah High School Graduates 1974 Through 1982

High school graduates indicating an intention to seek post secondary training, for years 1974 through 1982.



SOURCE: High School Intentions Survey 1974 Through 1982

Figure 4. Autumn Quarter Enrollment in the System



Utah System of Higher Education
Autumn Enrollment, Extended Day Headcount
Years 1974-75 Through 1982-83

SOURCE: USHE Enrollment Reports

TABLE 1 Utah System of Higher Education Autumn Headcount and FTE Enrollments 1966-67 Through 1981-82. p. 87.

TABLE 2 Utah System of Higher Education A Summary of Autumn 1981-82 Headcount and FTE Students, by Level and Type of Student. p. 88.

TABLE 3 Utah System of Higher Education Autumn Headcount Enrollment, Resident and Nonresident, by Institution, 1975-76 Through 1981-82. p. 89.

TABLE 4A Utah System of Higher Education A Comparison of Autumn Headcount Enrollments by Student Level and Residency, 1980 and 1981. p. 91.

TABLE 4B Utah System of Higher Education A Comparison of Autumn Headcount Enrollments by Student Level and Residency, 1980 and 1981. p. 93.

TABLE 5 Utah System of Higher Education A Summary of Autumn FTE Extended Day Enrollments by Institution, 1977-78 Through 1981-82. p. 95.

TABLE 6 Utah Residents Entering as Freshmen, Autumn Headcount 1980 as a Percentage of Utah High School Graduates by County, Spring 1981. p. 96.

TABLE 7 Utah System of Higher Education Utah Counties Providing Greatest Resident Enrollment Percentage, Autumn Headcount, 1981-82 by Institution. p. 97.

TABLE 8A Utah System of Higher Education States and Foreign Countries Providing the Largest Number of Nonresident Students, by Institution, Autumn Headcount, 1981-82. p. 98.

TABLE 8B Utah System of Higher Education States and Foreign Countries Providing the Largest Number of Nonresident Students, by Institution, Autumn Headcount, 1981-82. p. 100.

TABLE 9 Utah System of Higher Education Public and Private Veteran Enrollments 1977-78 Through 1981-82. p. 102.

TABLE 10 Utah System of Higher Education Percentages of Veteran Student Enrollees and Graduates 1981-82. p. 103.

TABLE 1
Utah System of Higher Education
Autumn Headcount and FTE Enrollments [a]
1966-7 Through 1981-82

	Headcount							FTE
					Total			
	Resident		Nonresident			Change		
Year	Number	Percentage	Number	Percentage	Number	Number	Percentage	Number
1966-67	34,632	84.6	6,306	15.4	40,938	---	---	36,286
1967-68	37,382	86.2	6,002	13.8	43,384	2,446	6.0	38,114
1968-69	40,342	87.3	5,873	12.7	46,215	2,831	6.5	40,333
1969-70	42,040	87.5	5,998	12.5	48,038	1,823	3.9	41,451
1970-71	42,834	87.3	6,255	12.7	49,089	1,051	2.2	42,391
1971-72	43,234	86.4	6,785	13.6	50,019	930	1.9	43,737
1972-73	41,740	85.1	7,321	14.9	49,061	(958)	(1.9)	43,506
1973-74	41,500	84.5	7,626	15.5	49,126	65	0.1	43,313
1974-75	44,047	84.7	7,945	15.3	51,992	2,866	5.8	44,937
1975-76	46,602	85.1	8,136	14.9	54,738	2,746	5.3	46,540
1976-77	45,805	84.7	8,289	15.3	54,094	(644)	(1.2)	45,478
1977-78	46,694	84.7	8,429	15.3	55,123	1,029	1.9	45,957
1978-79	46,508	84.7	8,386	15.3	54,894	(229)	(0.4)	44,448
1979-80	47,774	85.2	8,280	14.8	56,054	1,151	2.1	46,056
1980-81	51,386	86.7	7,852	13.3	59,238	3,184	5.7	48,807
1981-82	53,778	87.7	7,574	12.3	61,352	2,114	3.6	49,944

---

[a] Extended day for all institutions for all years.

Sources: Autumn Enrollment Reports.

TABLE 2
Utah System of Higher Education
A Summary of Autumn 1981-82 Headcount and FTE Students, By Level and Type of Student

	Under Graduate								Graduate		Grand Total All Students
	Professional, Career Education and Other				Vocational-Technical						
	Lower		Upper		Lower		Upper				
	Total	Percentage	Total	Percentage	Total	Percentage	Total	Percentage	Total	Percentage	
A. Headcount											
University of Utah[a]	11,180	48.7	8,438	36.7					3,358	14.6	22,976
Utah State University	4,901	47.6	3,520	34.2	245	2.4	76	0.7	1,548	15.0	10,290
Weber State College	4,681	45.8	3,105	30.4	1,631	15.9	723	7.1	90	0.9	10,230
Southern Utah State College	1,149	54.6	706	33.5	227	10.8	24	1.1			2,106
Snow College	1,057	76.2			331	23.8					1,388
Dixie College	1,297	68.1			607	31.9					1,904
College of Eastern Utah	441	38.9			693	61.1					1,134
Utah Technical College/Provo	943	19.1			3,998	80.9					4,941
Utah Technical College/ Salt Lake	660	10.3			5,723	89.7					6,383
Total Headcount	26,309	42.9	15,769	25.7	13,455	21.9	823	1.3	4,996	8.1	61,352
B. Full-Time Equivalent (FTE)											
University of Utah[a]	9,732	52.4	5,488	29.6					3,348	18.0	18,568
Utah State University	5,345	55.6	2,919	30.4	231	2.4	48	0.5	1,065	11.1	9,608
Weber State College	4,981	61.6	1,232	15.2	1,639	20.3	190	2.3	47	0.6	8,089
Southern Utah State College	1,216	64.1	480	25.3	180	9.5	20	1.1			1,896
Snow College	862	71.3			347	28.7					1,209
Dixie College	965	63.4			556	36.6					1,521
College of Eastern Utah	367	47.9			399	52.1					766
Utah Technical College/Provo	759	18.4			3,367	81.6					4,126
Utah Technical College/ Salt Lake	390	9.4			3,771	90.6					4,161
Total FTE	24,617	49.3	10,119	20.3	10,490	21.0	258	0.5	4,460	8.9	49,944

---

[a] Excludes medical students.

Note: Unknown undergraduates are considered to be freshmen.

Source: 1981 Autumn Enrollment Report.

TABLE 3
Utah System of Higher Education
Autumn Headcount Enrollment, Resident and Nonresident, By Institution
1976-77 Through 1981-82

	1976-77		1977-78		1978-79		1979-80		1980-81		1981-82	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
U of U												
Resident	17,965	84.5	18,427	85.8	18,101	86.0	18,742	86.8	20,122	89.1	20,572	89.5
Nonresident	3,300	15.5	3,060	14.2	2,944	14.0	2,861	13.2	2,460	10.9	2,404	10.5
Total	21,265		21,487		21,045		21,603		22,582		22,976	
USU												
Resident	5,924	65.0	5,980	63.4	6,004	65.1	6,192	66.8	6,854	69.0	7,289	70.8
Nonresident	3,189	35.0	3,456	36.6	3,224	34.9	3,074	33.2	3,085	31.0	3,001	29.2
Total	9,113		9,436		9,228		9,266		9,939		10,290	
WSG												
Resident	8,345	94.6	8,207	93.9	8,190	91.8	8,834	91.3	9,243	91.8	9,464	92.5
Nonresident	473	5.4	534	6.1	730	8.2	840	8.7	822	8.2	766	7.5
Total	8,818		8,741		8,920		9,674		10,065		10,230	
SUSC												
Resident	1,580	82.6	1,518	80.6	1,464	81.4	1,651	84.0	1,788	86.9	1,866	88.6
Nonresident	332	17.4	366	19.4	334	18.6	315	16.0	270	13.1	240	11.4
Total	1,912		1,884		1,798		1,966		2,058		2,106	
Snow												
Resident	804	85.2	857	85.0	842	85.7	946	83.9	1,071	83.5	1,179	84.9
Nonresident	140	14.8	151	15.0	141	14.3	181	16.1	212	16.5	209	15.1
Total	944		1,008		983		1,127		1,283		1,388	
Dixie												
Resident	1,059	78.9	1,096	78.7	1,162	78.8	1,364	85.8	1,533	85.6	1,672	87.8
Nonresident	284	21.1	296	21.3	312	21.2	225	14.2	257	14.4	232	12.2
Total	1,343		1,392		1,474		1,589		1,790		1,904	

TABLE 3 (Continued)

	1976-77		1977-78		1978-79		1979-80		1980-81		1981-82	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
CEU												
Resident	629	95.3	880	95.8	938	96.8	803	94.4	1,059	96.0	1,099	96.9
Nonresident	31	4.7	39	4.2	31	3.2	48	5.6	44	4.0	35	3.1
Total	660		919		969		851		1,103		1,134	
UTC/P												
Resident	3,456	89.0	3,398	89.6	3,473	87.0	3,520	85.2	3,863	86.2	4,324	87.5
Nonresident	425	11.0	395	10.4	517	13.0	610	14.8	618	13.8	617	12.5
Total	3,881		3,793		3,990		4,130		4,481		4,941	
UTC/SL												
Resident	6,043	98.1	6,331	98.0	6,334	97.6	5,722	97.8	5,853	98.6	6,313	98.9
Nonresident	115	1.9	132	2.0	153	2.4	126	2.2	84	1.4	70	1.1
Total	6,158		6,463		6,487		5,848		5,937		6,383	
USHE												
Resident	45,805	84.7	46,694	84.7	46,508	84.7	47,774	85.2	51,386	86.7	53,778	87.7
Nonresident	8,289	15.3	8,429	15.3	8,386	15.3	8,280	14.8	7,852	13.3	7,574	12.3
Total	54,094		55,123		54,894		56,054		59,238		61,352	

Note: All data is extended day for all years.

Source: USHE Enrollment Reports

TABLE 4A
Utah System of Higher Education
A Comparison of Autumn Headcount Enrollments
By Student Level and Residency, 1980 and 1981

	Entering Freshmen			Advanced Freshmen			Sophomores			Juniors		
	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change
U of U												
Resident	2,482	2,712	9.3	4,182	4,334	3.6	3,256	2,955	(9.2)	2,928	2,886	(1.4)
Nonresident	393	406	3.3	340	520	52.9	386	253	(34.5)	265	203	(23.4)
Total	2,875	3,118	8.5	4,522	4,854	7.3	3,642	3,208	(11.9)	3,193	3,089	(3.3)
USU												
Resident	1,612	1,590	(1.4)	699	803	14.9	1,280	1,284	0.3	1,094	1,215	11.1
Nonresident	511	529	3.5	209	225	7.7	513	493	(3.9)	482	414	(14.1)
Total	2,123	2,119	(0.2)	908	1,028	13.2	1,793	1,777	(0.9)	1,576	1,629	3.4
WSC												
Resident	1,840	1,675	(9.0)	2,351	2,227	(5.3)	1,843	1,921	4.2	1,303	1,506	15.6
Nonresident	180	148	(17.8)	189	167	(11.6)	179	174	(2.8)	132	133	0.8
Total	2,020	1,823	(9.8)	2,540	2,394	(5.7)	2,022	2,095	3.6	1,435	1,639	14.2
SUSC												
Resident	463	440	(5.0)	378	397	0.3	333	359	7.8	272	313	15.1
Nonresident	88	81	(8.0)	63	48	(23.8)	57	51	(10.5)	39	36	(7.7)
Total	551	521	(5.4)	441	445	0.9	390	410	5.1	311	349	12.2
Snow												
Resident	716	732	2.2	140	254	81.4	204	193	(5.4)	--	--	--
Nonresident	129	104	(19.4)	51	64	25.5	43	41	(4.7)	--	--	--
Total	845	836	(1.1)	191	318	66.5	247	234	(5.3)	--	--	--
Dixie												
Resident	837	942	12.5	475	458	(3.6)	221	272	23.1	--	--	--
Nonresident	135	123	(8.9)	78	66	(15.4)	44	43	(2.3)	--	--	--
Total	972	1,065	9.6	553	524	(5.2)	265	315	18.9	--	--	--

TABLE 4A (Continued)

	Entering Freshmen			Advanced Freshmen			Sophomores			Juniors		
	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change
CEU												
Resident	530	657	24.0	354	285	(19.5)	175	161	(8.0)	--	--	--
Nonresident	21	16	(23.8)	13	7	(46.2)	10	8	(20.0)	--	--	--
Total	551	673	22.1	367	292	(20.4)	185	168	(8.6)	--	--	--
UTC/P												
Resident	1,236	1,323	7.0	1,665	1,682	1.0	960	1,302	35.6	--	--	--
Nonresident	231	231	0.0	251	302	20.3	138	101	(26.8)	--	--	--
Total	1,467	1,554	5.9	1,916	1,984	3.5	1,098	1,403	27.8	--	--	--
UTC/SL												
Resident	2,822	2,448	(13.3)	2,217	2,830	27.6	814	1,035	27.1	--	--	--
Nonresident	46	36	(21.7)	31	20	(35.5)	7	14	100.0	--	--	--
Total	2,868	2,484	(13.4)	2,248	2,850	26.8	821	1,049	27.8	--	--	--
USHE Totals												
Resident	12,538	12,519	(0.2)	12,461	13,270	6.5	9,086	9,482	4.4	5,597	5,920	5.8
Nonresident	1,734	1,674	(3.5)	1,252	1,419	13.3	1,377	1,178	(14.5)	918	786	(14.4)
Total	14,272	14,193	(0.6)	13,686	14,689	7.3	10,463	10,660	1.9	5,515	6,706	2.9

---

[a] Assumes unknown evening students are entering freshmen.

Source: USHE Autumn Enrollment Reports.

TABLE 4B
Utah System of Higher Education
A Comparison of Autumn Headcount Enrollments
By Student Level and Residency, 1980 and 1981

	Seniors			Graduates			Unclassified[b]			Totals		
	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change
U of U												
Resident	3,753	5,027	33.9	3,454	2,658	(23.0)	67	0	--	20,122	20,572	2.2
Nonresident	294	322	9.5	780	700	(10.3)	2	0	--	2,460	2,404	(2.3)
Total	4,047	5,349	32.2	4,234	3,358	(20.7)	69	0	--	22,582	22,976	1.7
USU												
Resident	1,264	1,484	17.6	793	782	(1.4)	112	131	17.0	6,854	7,289	6.3
Nonresident	561	483	(13.9)	691	766	10.9	118	91	(22.9)	3,085	3,001	(2.7)
Total	1,825	1,967	7.8	1,484	1,548	4.3	230	222	3.5	9,939	10,290	3.5
WSC												
Resident	1,832	2,043	11.5	94	89	(5.3)	--	--	--	9,263	9,464	2.2
Nonresident	121	146	20.7	1	1	0.0	--	--	--	802	766	(4.5)
Total	1,953	2,189	12.1	95	90	(5.3)	--	--	--	10,065	10,230	1.6
SUSC												
Resident	342	357	4.4	--	--	--	--	--	--	1,788	1,866	4.4
Nonresident	23	24	4.3	--	--	--	--	--	--	270	240	(11.1)
Total	365	381	4.4							2,058	2,106	2.3
Snow												
Resident										1,060	1,179	11.2
Nonresident										223	209	(6.3)
Total										1,283	1,388	8.2
Dixie												
Resident										1,533	1,672	9.1
Nonresident										257	232	(9.7)
Total										1,790	1,904	6.4

TABLE 4B (Continued)

	Seniors			Graduates			Unclassified[b]			Totals		
	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change	1980	1981	% Change
CEU												
Resident	--	--	--	--	--	--	--	--	--	1,059	1,103	4.1
Nonresident	---	--	--	--	--	--	--	--	--	44	31	(29.5)
Total	--	--	--	--	--	--	--	--	--	1,103	1,134	2.8
UTC/P												
Resident	--	--	--	--	--	--	--	--	--	3,861	4,307	11.6
Nonresident	--	--	--	--	--	--	--	--	--	620	634	2.3
Totals	--	--	--	--	--	--	--	--	---	4,481	4,941	10.3
UTC/SL												
Resident	--	--	--	--	--	--	--	--	--	5,853	6,313	7.9
Nonresident	--	--	--	--	--	--	--	--	--	84	70	(16.7)
Total	--	--	--	--	--	--	--	--	--	5,937	6,383	7.5
USHE Totals												
Resident	7,191	8,911	23.9	4,341	3,529	(18.7)	179	131	(26.8)	51,393	53,778	4.6
Nonresident	999	975	(2.4)	1,472	1,467	(0.3)	120	91	(24.2)	7,845	7,574	(3.5)
Total	8,190	9,886	20.7	5,813	4,996	(14.1)	299	222	(25.8)	59,238	61,352	3.6

---

[b] Undergraduates only

Source: USHE Autumn Enrollment Reports.

TABLE 5
Utah System of Higher Education
A Summary of Autumn FTE Extended Day Enrollments, By Institution, 1977-78 Through 1981-82

Institution	1977-78	1978-79	1979-80	1980-81	1981-82
University of Utah[1]	18,338	17,675	17,874	18,331	18,568
Utah State University	9,285	8,813	8,982	9,560	9,608
Weber State College	6,831	6,875	7,477	7,971	8,089
Southern Utah State College	1,768	1,722	1,834	1,944	1,896
Snow College	1,018	973	1,103	1,195	1,209
Dixie College	1,201	1,192	1,175	1,457	1,521
College of Eastern Utah	641	612	622	681	766
Utah Technical College at Provo	2,896	2,869	3,212	3,678	4,126
Utah Technical College at Salt Lake	3,979	3,717	3,777	3,990	4,161
Total USHE	45,957	44,448	46,056	48,807	49,944

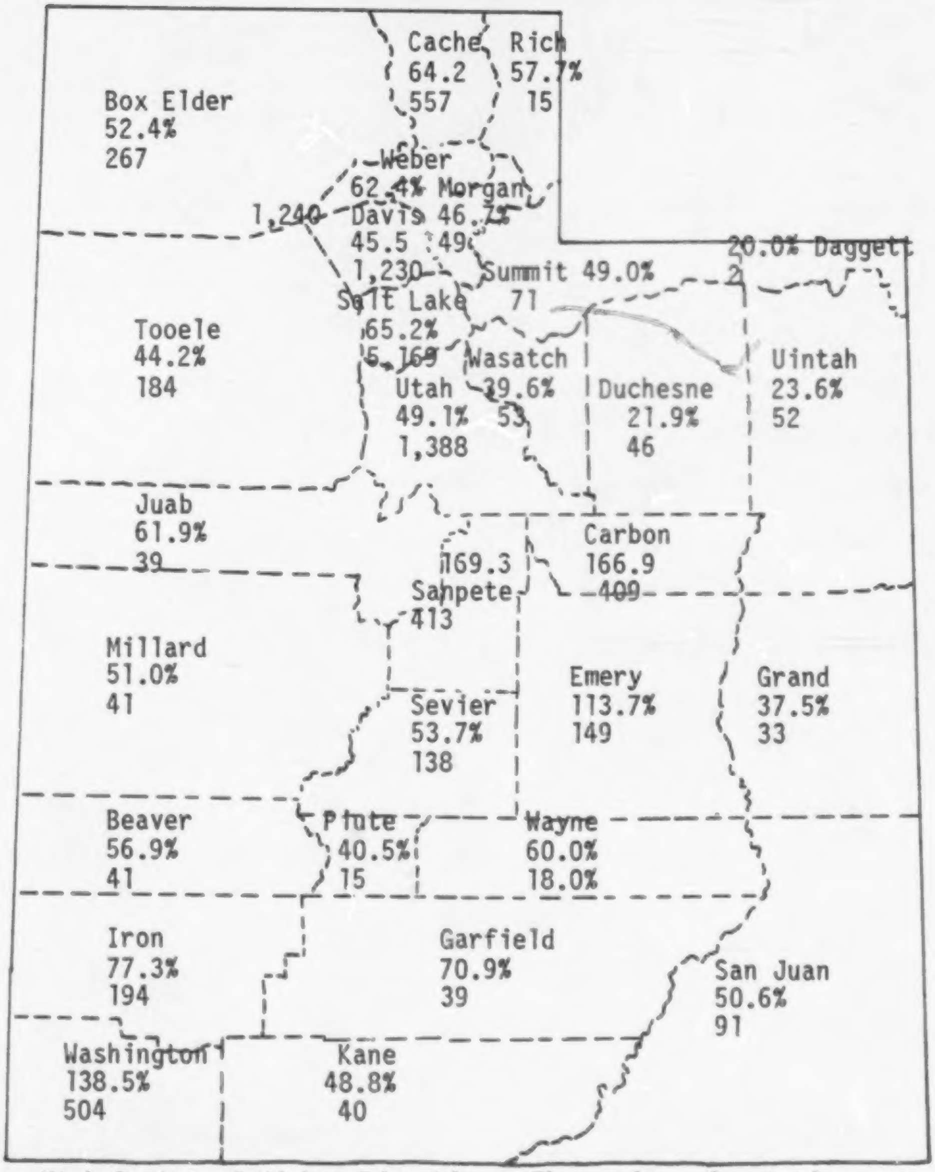
---

[1] Excludes medical students.

Source: Autumn Enrollment Reports

TABLE 6

Utah Residents Entering as Freshmen[1], Autumn Headcount 1981 As a Percentage of Utah High School Graduates By County, Spring 1981


Box Elder
52.4%
267
Cache
64.2
557
Rich
57.7%
15
Weber
62.4%
1,240
Morgan
46.7%
49
Davis
45.5
1,230
Summit 49.0%
71
20.0% Daggett
2
Salt Lake
65.2%
5,169
Tooele
44.2%
184
Wasatch
39.6%
53
Utah
49.1%
1,388
Duchesne
21.9%
46
Uintah
23.6%
52
Juab
61.9%
39
Carbon
166.9
409
169.3
Sanpete
413
Millard
51.0%
41
Sevier
53.7%
138
Emery
113.7%
149
Grand
37.5%
33
Beaver
56.9%
41
Piute
40.5%
15
Wayne
60.0%
18.0%
Iron
77.3%
194
Garfield
70.9%
39
San Juan
50.6%
91
Washington
138.5%
504
Kane
48.8%
40

[1] Includes Utah System of Higher Education. The number of entering freshmen may be larger than the number of high school graduates in any one county because of residency changes and delayed entrance from prior years.

Source: USHE Autumn Enrollment Report.

TABLE 7
Utah System of Higher Education
Utah Counties Providing Greatest Resident Enrollment Percentage, Autumn Headcount,[1] 1981-82 By Institution

A. Universities

University of Utah

1.	Salt Lake	14,246	69.2%
2.	Davis	1,554	7.6%
3.	Utah	521	2.5%
4.	Weber	492	2.5%
5.	Tooele	152	0.7%
6.	Summit	134	0.7%
7.	All Others	3,473	16.9%
	Total	20,572	100.0%

Utah State University

1.	Cache	3,398	45.2%
2.	Salt Lake	1,066	14.6%
3.	Box Elder	571	7.8%
4.	Davis	536	7.4%
5.	Weber	459	6.3%
6.	Utah	358	4.9%
7.	All Others	1,001	13.7%
	Total	7,289	100.0%

B. Four-Year Colleges

Weber State College

1.	Weber	5,526	59.0%
2.	Davis	2,298	24.5%
3.	Salt Lake	459	4.9%
4.	Box Elder	351	3.7%
5.	Utah	110	1.2%
6.	Morgan	93	1.0%
7.	All Others	535	5.7%
	Total	9,372	100.0%

Southern Utah State

1.	Iron	851	45.6%
2.	Salt Lake	231	12.4%
3.	Washington	159	8.5%
4.	Utah	96	5.1%
5.	Sevier	64	3.4%
6.	Kane	60	3.2%
7.	All Others	405	21.7%
	Total	1,866	100.0%

C. Two-year Colleges

Snow College

1.	Sanpete	512	43.4%
2.	Salt Lake	200	17.0%
3.	Utah	142	12.0%
4.	Sevier	88	7.5%
5.	Emery	29	2.5%
6.	Tooele	29	2.5%
7.	All Others	179	15.2%
	Total	1,179	100.0%

Dixie College

1.	Washington	948	56.7%
2.	Salt Lake	317	19.0%
3.	Davis	72	4.3%
4.	Utah	65	3.9%
5.	Weber	58	3.5%
6.	Tooele	30	1.8%
7.	All Others	182	10.9%
	Total	1,572	100.0%

College of Eastern Utah

1.	Carbon	683	61.9%
2.	Emery	168	15.2%
3.	Salt Lake	96	8.7%
4.	San Juan	46	4.2%
5.	Utah	36	3.3%
6.	Davis	15	1.4%
7.	All Others	59	5.3%
	Total	1,103	100.0%

D. Vocational-Technical Colleges

Utah Technical College/Provo

1.	Utah	3,513	81.6%
2.	Salt Lake	164	3.8%
3.	Millard	65	1.5%
4.	Wasatch	56	1.3%
5.	Sevier	51	1.2%
6.	Washington	47	1.1%
7.	All Others	411	9.5%
	Total	4,307	100.0%

Utah Technical College/Salt Lake

1.	Salt Lake	5,624	89.1%
2.	Davis	299	4.7%
3.	Tooele	108	1.7%
4.	Utah	77	1.2%
5.	Weber	32	0.5%
6.	Summit	21	0.3%
7.	All Others	152	2.4%
	Total	5,313	100.0%

---

[1] Extended day

Note: Utah students of undetermined residence are included in "all other."

Source: Autumn Enrollment Reports.

TABLE 8A
Utah System of Higher Education
States and Foreign Countries Providing the Largest Number of Nonresident Students
By Institutions, Autumn Headcount, 1981-82

Place of Residence	U of U[1] No.	%	USU No.	%	WSC No.	%	SUSC No.	%	Snow No.	%
I. Nonresident Students										
A. United States										
1. California	391	22.0	351	18.1	100	22.5	33	15.8	20	15.7
2. Idaho	120	6.7	405	20.8	33	7.4	4	1.9	12	9.4
3. Nevada	83	4.7	61	3.1	27	6.1	99	47.4	9	7.1
4. Illinois	98	5.5	107	5.5	19	4.3	5	2.4	--	--
5. Wyoming	75	4.2	112	5.8	52	11.7	6	2.9	3	2.4
6. New York	87	4.9	91	4.7	16	3.6	1	0.5	2	1.6
7. Colorado	80	4.5	74	3.8	22	4.9	4	1.9	14	11.0
8. Arizona	25	1.4	19	1.0	12	2.7	17	8.1	14	11.0
9. Washington	56	3.1	31	1.6	18	4.0	2	1.0	3	2.4
10. Ohio	45	2.5	47	2.4	4	0.9	3	1.4	3	2.4
11. New Jersey	44	2.5	57	2.9	8	1.8	1	0.5	2	1.6
12. Michigan	69	3.9	31	1.6	7	1.6	1	0.5	2	1.6
13. Pennsylvania	43	2.4	51	2.6	7	1.6	1	0.5	4	3.1
14. All Others[2]	565	31.7	507	26.1	120	27.0	32	15.3	39	30.7
Total U.S.	1,781	100.0	1,944	100.0	445	100.0	209	100.0	127	100.0

TABLE 8A (cont'd)

Place of Residence	U of U[1] No.	U of U[1] %	USU No.	USU %	WSC No.	WSC %	SUSC No.	SUSC %	Snow No.	Snow %
B. Foreign										
1. Iran	135	25.0	258	24.8	88	27.2	7	22.6	3	3.7
2. Taiwan	71	13.1	90	8.7	--	--	--	--	--	--
3. Japan	16	3.0	68	6.5	10	3.1	5	16.1	7	8.5
4. Saudi Arabia	5	0.9	36	3.5	95	29.4	--	--	--	--
5. Canada	19	3.5	29	2.8	8	2.5	--	-	4	4.9
6. Norway	36	6.7	--	--	--	--	--	--	--	--
7. Venezuela	12	2.2	39	3.8	1	0.3	1	3.2	--	--
8. India	22	4.1	26	2.5	2	0.6	--	--	--	--
9. Korea	24	4.4	20	1.9	--	--	--	--	--	--
10. Bolivia	3	0.6	43	4.1	1	0.3	--	--	1	1.2
11. Hong Kong	13	2.4	23	2.2	2	0.6	--	--	--	--
12. Thailand	10	1.8	16	1.5	6	1.9	1	3.2	1	1.2
13. Jordan	7	1.3	34	3.3	3	0.9	--	--	3	3.7
14. All Others	168	31.1	357	34.4	107	33.1	13	41.9	63	76.8
Total Foreign	541	100.0	1,039	100.0	323	100.0	31	100.0	82	100.0
Total Nonres.	2,404	10.5	3,001	29.2	768	7.6	240	11.4	209	15.1
II. Utah Residents	20,572	89.5	7,289	70.8	9,372	92.4	1,866	88.6	1,179	84.9
Ttl. Enrollment	22,967	100.0	10,290	100.0	10,140	100.0	2,106	100.0	1,388	100.0

---

[1] Excludes medical students.
[2] Including unknown nonresidents

Source: Autumn Enrollment Reports, 1981.

TABLE 8B
Utah System of Higher Education
States and Foreign Countries Providing the Largest Number of Nonresident Students
By Institutions, Autumn Headcount, 1981-82

Place of Residence	Dixie No.	Dixie %	CEU No.	CEU %	UTC/P No.	UTC/P %	UTC/SL No.	UTC/SL %	USHE No.	USHE %
I. Nonresident Students										
A. United States										
1. California	29	14.5	1	4.2	134	28.7	7	25.0	1,066	20.4
2. Idaho	6	3.0	2	8.3	63	13.5	6	21.4	651	12.5
3. Nevada	120	60.0	5	20.8	39	8.4	4	14.3	447	8.6
4. Illinois	2	1.0	--	--	13	2.8	--	--	244	4.7
5. Wyoming	5	2.5	3	12.5	14	3.0	5	17.9	275	5.3
6. New York	2	1.0	--	--	10	2.1	--	--	209	4.0
7. Colorado	1	0.5	1	4.2	26	5.6	--	--	222	4.2
8. Arizona	13	6.5	1	4.2	23	4.9	1	3.6	125	2.4
9. Washington	3	1.5	--	--	29	6.2	1	3.6	143	2.7
10. Ohio	1	0.5	--	--	2	0.4	--	--	105	2.0
11. New Jersey	--	--	1	4.2	3	0.6	--	--	116	2.2
12. Michigan	--	--	3	12.5	5	1.1	--	--	118	2.3
13. Pennsylvania	1	0.5	1	4.2	4	0.9	--	--	112	2.1
14. All Others[2]	17	8.5	6	25.0	102	21.8	4	14.3	1,392	26.6
Total U.S.	200	100.0	24	100.0	467	100.0	28	100.0	5,225	100.0

TABLE 8B (cont'd)

Place of Residence	Dixie No.	Dixie %	CEU No.	CEU %	UTC/P No.	UTC/P %	UTC/SL No.	UTC/SL %	USHE No.	USHE %
B. Foreign										
1. Iran	2	6.3	--	--	2	1.2	20	47.6	515	22.7
2. Taiwan	--	--	--	--	3	1.8	--	--	164	7.2
3. Saudi Arabia	1	3.1	--	--	10	6.0	--	--	147	6.5
4. Japan	12	37.5	--	--	17	10.2	3	7.1	138	6.1
5. Canada	1	3.1	1	14.3	28	16.8	1	2.4	91	4.0
6. Venezuela	--	--	--	--	7	4.2	1	2.4	61	2.7
7. Norway	--	--	--	--	1	0.6	--	--	37	1.6
8. India	--	--	--	--	2	1.2	--	--	52	2.3
9. Korea	1	3.1	--	--	--	--	--	--	45	2.0
10. Bolivia	1	3.1	--	--	5	3.0	--	--	54	2.4
11. Hong Kong	--	--	--	--	1	0.6	1	2.4	40	1.8
12. Thailand	--	--	--	--	3	1.8	2	4.8	39	1.7
13. Jordan	1	3.1	--	--	--	--	--	--	48	2.1
14. All Others	13	40.6	6	85.7	88	52.7	14	33.3	833	36.8
Total Foreign	32	100.0	7	100.0	167	100.0	42	100.0	2,264	100.0
Total Nonres.	232	87.8	35	96.9	617	87.5	70	1.1	7,574	12.3
II. Utah Residents	1,672	87.8	1,099	96.9	4,324	87.5	6,313	98.9	53,778	87.8
Ttl. Enrollment	1,904	100.0	1,134	100.0	4,941	100.0	6,383	100.0	61,352	100.0

---

[2] Including unknown nonresidents

Source: Autumn Enrollment Reports, 1981.

TABLE 9
Utah System of Higher Education
Public and Private Veteran Enrollments[a]
1977-78 Through 1981-82

	1977-78		1978-79		1979-80		1980-81		1981-82	
	Number Veterans Enrolled	Percentage of Total Enrollment	Number Veterans Enrolled	Percentage of Total Enrollment	Number[b] Veterans Enrolled	Percentage of Total Enrollment	Number[b] Veterans Enrolled	Percentage of Total Enrollment	Number[b] Veterans Enrolled	Percentage of Total Enrollment
University of Utah	1,614	7.51	1,014	4.82	1,000	4.631	857	3.80	554	2.85
Utah State University	542	5.74	384	4.16	383	4.13	332	3.34	301	2.93
Weber State College	1,872	21.42	1,580	17.71	1,589	16.43	1,344	13.35	1,138	11.12
Southern Utah State College	139	7.38	75	4.17	101	5.14	75	3.64	79	3.75
Snow College	27	2.68	11	1.12	6	.53	13	1.01	14	1.01
Dixie College	66	4.74	28	1.90	33	2.08	36	2.01	41	2.15
College of Eastern Utah	39	4.24	26	2.68	41	4.82	34	3.08	29	2.56
Utah Technical College/Provo	378	9.97	225	5.64	335	8.11	365	8.15	337	6.82
Utah Technical College/SLC	795	12.30	804	12.39	780	13.34	611	10.29	686	10.75
Total Public	5,472	9.93	4,147	7.56	4,268	7.61	3,667	6.19	3,279	5.35
Brigham Young University	1,131	4.21	1,055	3.85	990	3.68	728	2.62	700	2.28
Westminster College	382	26.09	90	6.[illegible]	50	1.91	50	4.77	37	2.72
LDS Business College	105	12.44	87	7.13	60	5.06	51	4.44	70	8.75
Stevens Henager College/Ogden	76	15.42	60	8.97	36	16.00	38	11.91	14	5.20
Stevens Henager College/Provo	2	1.11	8	2.64	12	3.67	16	4.61	48	4.56
Columbia College	43	97.73	4	6.90	12	17.14	7	16.67	4	11.77
Total Private	1,739	5.82	1,304	4.20	1,160	4.06	890	2.90	873	2.55
Total--All Schools	7,211	8.48	5,451	6.34	5,428	6.42	4,557	5.07	4,152	4.34

[a] Autumn Quarter Extended Day Headcount Enrollment.
[b] Data on public schools taken completely from Autumn Enrollment Reports.

Sources: Autumn Enrollment Reports, 1977-78 through 1981-82, and Institutional Reports of Veteran Students, 1977-78 through 1981-82.

TABLE 10
Utah Sytem of Higher Education
Percentages of Veteran Student Enrollees and Graduates [a]
1981-82

	No. Veteran Students Enrolled	Percentage of Total Enrollment	No. Veteran Students Graduated	Percentage of Total Graduation
Totals for VA-approved Institutions	4,463	4.01	1,295	5.14
Public Universities and Colleges	3,279	5.35	847	8.14
University of Utah	654	2.85	153	4.17
Utah State University	301	2.93	75	3.71
Weber State College	1,138	11.12	412	25.26
Southern Utah State College	79	3.75	16	3.73
Snow College	14	1.01	4	1.42
Dixie College	41	2.15	7	1.79
College of Eastern Utah	29	2.56	2	1.24
Utah Technical College at Provo	337	6.82	61	6.82
Utah Technical College at Salt Lake	686	10.75	117	12.61
Private Universities and Colleges	873	2.55	248	3.63
Brigham Young University	700	2.28	215	3.46
Westminster College	37	2.72	12	4.71
LDS Business College	70	8.76	5	6.67
Stevens Henager College/Ogden	14	6.20	4	5.48
Stevens Henager College/Provo	48	4.56	8	4.15
Columbia College	4	11.77	4	20.00
Adult Public High School Diploma Programs	3	.07	1	.15
Alpine School District	0	--	0	--
Granite School District	2	.07	0	--
Jordan School District	0	--	0	--
Ogden School District	1	.13	1	.68
Public and Proprietary Vocational Schools	272	2.69	182	3.15
Barber and Cosmetology Schools	22	2.09	7	.51
Medical and Dental Schools	13	5.86	9	8.82
Trade and Technical Schools	236	2.67	165	3.84

[a] These figures were calculated on total year headcount numbers.

Sources: Autumn Enrollment Reports, 1981-82; and Institutional Reports of Veteran Students, 1981-82.

VI. CAPITAL FACILITIES

Need for Capital Improvements, Major Renovations and Capital Developments to Replace Existing Space.

There were 9,686,977 academic gross square feet in the Utah System of Higher Education as of Autumn quarter 1981. If it is assumed that, because much of that space was built since 1965, the average remaining useful life of all facilities is 75 years, then we should be renewing or replacing the equivalent of 1 1/3 percent of the total space or 129,160 gross square feet each year. If we assume that the average total project costs (including design costs, fees, contingencies and equipment) is $75 per gross square foot, then we need approximately $10 million each year (escalated to keep pace with inflation) for capital improvements, major renovations and facilities demolition and replacement. With this level of expenditure, we should continue to have, over the next 10 to 15 years, the same amount of useable space as we currently have.

Need for Capital Development Projects to Meet Enrollment Growth

In Fall 1981 there were 49,944 full time equivalent students in the Utah System of Higher Education. Very conservative projections based on the number of students now in elementary schools in Utah and conservative assumptions about the projected rate of attendance of these individuals in Utah public institutions of higher education indicate projected enrollments of 68,760 students in 1994, an increase of 18,816 or almost 40%. Table I illustrates how these increased enrollments might be accommodated with only a 27% increase in space, or approximately 2.5 million gross square feet. If we assume that total project costs of new space is $80 per gross square foot, then we will need $207 Million by 1994 or almost 16 million each year, escalated to meet inflation in construction costs.

Hence, the total average need for funding to renew, renovate, replace and provide new space for expanding enrollments in the Utah System of Higher Education over the next 10 to 15 years is about $25 million per year in 1982 dollars. This assumes that the people of the state want, and are able to fund, continued open access for Utah citizens to higher education with capital facilities, more heavily utilized than at present, but roughly equivalent in function and purpose.

Historical and Currently Proposed Funding Levels for Higher Education Facilities

State appropriations for higher education capital facilities have tended to follow a pattern of limited funding until the need for facilities forces a bond issue to "clear the pipeline." The bond issue allows the legislature to make the one-time commitment to capital facilities funding which then effectively binds future legislatures until the bonds are paid off.

In formulating the capital facilities recommendations to the 1982 Legislature, the State Board of Regents reviewed carefully the estimates of cost of the capital development projects. The nine projects recommended by the Commissioner were reduced from institutional requests totalling $53,868,000 to $36,383,000, for a reduction of 32.5%.

As illustrated by Table II, the 1982 Legislature took action to fund $3,807,000 of capital improvement projects and $10,266,000 in capital development projects for higher education. The $14,073,000 received by higher education was 35.4% of the $39,679,000 appropriated for all of state government for capital facilities needs.

Table III sets forth the State Building Board's recently adopted recommendations for bonding and regular appropriations for 1983-84 and 1984-85 at $44,746,000 and $12,540,000 respectively.

Table IV reviews the history of capital facilities funding for higher education from 1976, when the statewide funds for code compliance procedures first began, toi the present. The legislature funded $49,776,725 in higher eduycation projects during those seven years. That is an average of slightly over $7 million per year.

Even if the proposed 1983-84 and 1984-85 recommendations of the State Building Board were completely funded, the total funding for the nine years, 1976 to 1984 would be only $107,062,725. This would average a little less than $12 million a year or less than half the $25 million proposed by the above analysis.

TABLE I Utah System of Higher Education Capital Development Needs Based on Enrollment Encreases. p. 108.

TABLE II Summary of Capital Facilities Appropriations 1982 Legislature. p. 109.

TABLE III State Building Board Recommendations for Higher Education 1983-84 and 1984-85. p. 110.

TABLE IV State of Utah Bonded and Appropriated Funds for Capital Facilities 1976-1982. p. 111.

TABLE I
Utah System of Higher Education
Capital Development Needs
Based on Enrollment Increases

	1981 Fall FTE	Academic Gross Square Feet	Square Feet per FTE	Proj. 1994 Fall FTE	Poss. Sq.Ft. per FTE	Required Academic Square Feet	Incre-mental Need	Cost in 1982 Dollars	5 Year Capital Devel. Requests
UofU	18,568	4,117,471	222	24,150	210	5,071,500	954,029	76,322,320	66,079,000
USU	9,608	2,342,968	244	12,250	210	2,572,500	229,532	18,362,560	52,395,000
WSC	8,089	1,083,402	134	10,110	140	1,415,400	331,998	26,559,840	37,462,000
SUSC	1,896	421,167	222	2,780	155	430,900	9,733	778,640	33,645,000
SNOW	1,209	225,724	187	2,030	150	304,500	78,776	6,302,080	13,293,000
DIXIE	1,521	224,844	148	2,350	150	352,500	127,656	10,212,480	24,287,000
CEU	766	200,578	262	1,450	150	217,500	16,922	1,353,760	7,229,000
UTC/P	4,126	537,123	130	7,840	140	1,097,600	560,477	44,838,160	31,278,000
UTC/SL	4,161	533,700	128	5,800	140	812,000	278,300	22,264,000	22,576,000
USHE	49,944	9,686,977	194	68,760	179	12,274,400	2,587,423	206,993,840	288,244,000

Approximately an additional $42,000,000 is requested for Capital Improvements bringing the total requests to $300,000,000.

TABLE II
Summary of Capital Facilities Appropriations
1982 Legislature

	Capital Improvements		Capital Development		Total Capital Appropriations	
U of U	$1,615,000	42.4%	2,500,000	24.4	4,115,000	29.2
USU	1,041,000	27.3	5,636,000	54.9	6,677,000	47.4
WSC	457,000	12.0	1,100,000	10.7	1,557,000	11.1
SUSC	300,000	7.9	430,000	4.2	730,000	5.2
SNOW	71,000	1.9	600,000	5.8	671,000	4.7
DIXIE	61,000	1.6	0	0	61,000	.4
CEU	78,000	2.0	0	0	78,000	.6
UTC-P	105,000	2.7	0	0	105,000	.7
UTC-SL	79,000	2.1	0	0	79,000	.6
USHE Total	3,807,000	99.9	10,266,000[2]	100	14,073,000	99.9
State Total	7,036,000[1]		32,643,000[2]		39,679,000	
USHE of State Total		54.1		31.4		35 .4

[1] $9,536,400 less $2,500,000 for Code Compliance, Roofs and Parking Lots in which higher education will share in some unknown amount. Higher education may receive more (or less) of the $1,000,000 Energy Conservation Implementation than those projects removed from the Regents' priorities. The assumption of this table is that higher education will receive exactly the amount of the transferred priorities ($431,000).

[2] $20,619,600 General Fund, plus $9,523,000 Supplemental General Fund, plus $2,500,000 Mineral Lease funds.

TABLE III
State Building Board Recommendations for Higher Education
1983-84 and 1984-85

	Total for Higher Education	State Total	USHE as % of state Total
1983-84			
Capital Improvements	$3,398,000	10,885,000	43.7[2]
Capital Development	10,683,000	41,367,000[1]	25.8
Proposed Bonding Projects	30,665,000	49,141,000	62.4
Total	$44,746,000	$101,393,000	44.1
1984-85			
Capital Improvements	$3,500,000	$12,550,000	40.9[2]
Capital Development	9,040,000	43,298,000[1]	20.9
Total	$12,540,000	$55,848,000	22.5
Two Year Total	$57,286,000	$157,241,000	36.4[2]

[1] Including Mineral Lease Funds available to higher education, but excluding liquor and transportation funds.

[2] % USHE of state total is derived by excluding from the state total in the Capital Appropriations lists the statewide funding of $3,100,000 in 1983-84 and $4,000,000 in 1984-85 in which higher education will share in an undetermined amount and then comparing the remaining specifically designated projects with those specifically funded for higher education.

TABLE IV
State of Utah Bonded and Appropriated Funds for Capital Facilities
1976-1982

Inst.	1976	1977	1978	1979	1980	1981	1982	Code Comp.	Total	%
U of U	0	1,243,000	860,118	6,293,000	1,451,600	1,701,000	4,115,000	1,765,900	17,429,618	35.02
USU	0	667,000	1,144,800	350,000	1,080,000	1,185,000	6,677,000	1,496,750	12,600,550	25.31
WSC	0	308,100	2,713,050	0	2,881,684	446,000	1,557,000	83,150	7,988,984	16.05
SUSC	1,750,000	170,000	436,000	431,000	130,000	391,000	730,000	231,150	4,269,150	8.53
SNOW	0	611,000	0	10,000	60,000	98,000	671,000	271,742	1,721,742	3.46
DIXIE	447,000	170,000	739,000	280,000	1,306,000	160,000	61,000	127,350	3,290,350	6.61
CEU	343,000	56,600	436,000	0	560,867	43,000	78,000	68,050	1,585,517	3.19
UTC/P	41,333*	8,830*	35,000	161,301*	28,000	43,000	105,000	76,750	499,214	1.00
UTC/SL	0	0	255,000	0	0	0	79,000	57,600	391,600	0.79
	2,581,333	3,234,530	6,618,968	7,525,301	7,498,151	4,067,000	14,073,000**	4,178,442	49,776,725	99.96

Source: Utah State Building Board records (based on Utah Code Annotated)

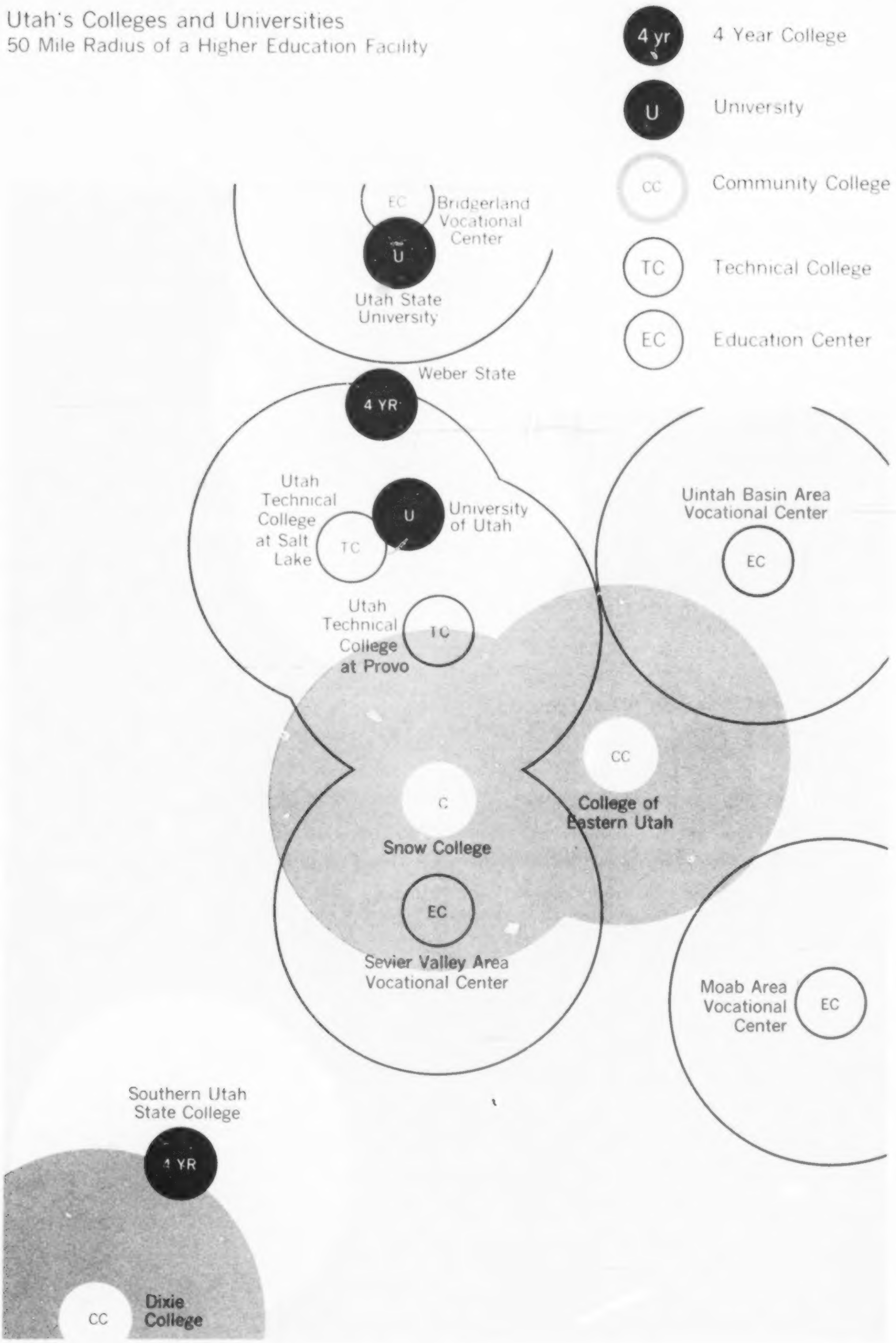
Note: Funds listed include supplemental appropriations and exclude funds not actually received by institutions.

* Interest on $8.0 million appropriation - 1976: ($41,333); 1977: ($8,830); 1978-79: ($161,301); Total: ($211,364).

** Includes estimated allocations of energy conservation funds appropriated to the Building Board but excludes higher education allocations for code compliance, roof repairs and parking lot repairs in which higher education will share in an unknown amount during 1982-83.

VII. PROFILES OF MEMBER INSTITUTIONS

Utah's Colleges and Universities
50 Mile Radius of a Higher Education Facility


4 yr 4 Year College
U University
CC Community College
TC Technical College
EC Education Center
EC Bridgerland Vocational Center
U Utah State University
4 YR Weber State
U University of Utah
TC Utah Technical College at Salt Lake
TC Utah Technical College at Provo
EC Uintah Basin Area Vocational Center
CC College of Eastern Utah
C Snow College
EC Sevier Valley Area Vocational Center
EC Moab Area Vocational Center
4 YR Southern Utah State College
CC Dixie College

University of Utah (1850) Salt Lake City

President: David P. Gardner
Administrative Offices: John R. Park Building
Salt Lake City, Utah 84112

The University of Utah was chartered in 1850 as the University of Deseret and rechartered in 1894 under the present name. First instruction was offered in 1850, and the first baccalaureate degree was awarded in 1884. The University, with a present enrollment of 20,511 undergraduate students and 3,853 graduate students, offers degree programs through 15 colleges and professional schools and a graduate school. Sponsored research and training programs were funded to a total of $54.4 million in 1981-82, essentially equal to the previous year's record-setting level. An additional $6.5 million was granted the University Research Institute. The 1,422-acre campus contains 160 permanent buildings and a research park.

Defined Role The University is the state's oldest and largest public institution of higher education and offers the following degrees: Doctor of Philosophy, Education, Medicine, Pharmacy, Social Work; Juris Doctor; Master of Philosophy; Education Specialist; Master of Architecture, Arts, Business Administration, Education, Engineering, Engineering Administration, Fine Arts, Laws, Music, Professional Accountancy, Public Administration, Science, Social Work, Statistics. Undergraduate degrees: Bachelor of Arts, Fine Arts, Music, Science, University Studies. The University is a primary center of university research and of graduate and professional education in the college and degree programs now authorized.

Divisions Graduate School of Architecture, Graduate School of Business and College of Business, Graduate School of Education, College of Engineering, College of Fine Arts, College of Health, College of Humanities, College of Law, School of Medicine, College of Mines and Mineral Industries, College of Nursing, College of Pharmacy, College of Science, College of Social and Behavioral Science, Graduate School of Social Work, Graduate School, Division of Continuing Education.

Calendar Four-quarter system. Freshmen admitted for quarters beginning September, January, March, and June. Degrees conferred in June.

Admission Freshmen applications may be submitted after completion of the sixth semester of high school. ACT is required for all entering freshmen from high school, but SAT may be submitted from out-of-state applicants. Other applications must be submitted by published deadlines which are at least 30 days prior to registration date. Starting in the fall of 1987, freshmen applying for admission will be required to have completed specific academic course work in order to be admitted.

Tuition & Fees Full-time tuition and fees vary with the credit hour load. For residents, a 15-hour load totals $966 per academic year. For non-residents, a similar academic load has an annual total equaling $2,733. For the School of Medicine and College of Law, see current General Catalog. On-campus room and board ranges from approximately $2,232 for double room to $2,829 for single room per nine-month school year. This includes room, meal service, and telephone.

Student Financial Aid Some 12,000 scholarships, loans, and grants of various kinds are awarded to undergraduate and graduate students. The University participates in Guaranteed and National Direct Student Loans, Supplemental Educational Opportunity Grants, Pell Grants, and College Work Study programs. All applications for aid based on merit only must be received by March 1 to be considered for the following autumn quarter. Applications for aid based on need must be received at least 90 days prior to the beginning of the quarter for which aid is requested. Financial Aid Form is required from parents of a student dependent. Married and independent students must also file a Financial Aid Form.

Special Academic Programs Early admission and concurrent registration in university courses for qualified high school students; honors program with interdepartmental courses and special seminars; Bachelor of University Studies (self-designed interdisciplinary degree program); liberal education "Utah Plan" grouping students in liberal education exploratory courses; National Student Exchange program allowing sophomores and juniors to study at another university in the U.S.; various study-abroad programs, summer or academic year.

Student Life University residence halls house 1,237 single students; married student housing has 943 apartments (one to three bedrooms); and the Medical Plaza has 151 apartments for students in medicine and allied fields. All housing areas have adequate parking facilities for the occupants. The fraternity and sorority system provides accommodations for members of their respective houses. There are twelve fraternities and nine sororities presently active.

R.O.T.C. Air Force optional for two years; Army, Navy optional for two or four years.

Utah State University (1888) Logan

President: Stanford Cazier
Administrative Offices: Old Main,
Logan, Utah 84322

Chartered as Agricultural College of Utah 1888; first instruction 1890; first baccalaureate 1894. Name changed to Utah State Agricultural College in 1929, to present official name, Utah State University of Agricultural and Applied Science 1957.

Defined Role Utah State University is Utah's land-grant university under state legislation, Congressional enactments of 1862, 1867 and subsequent years. Utah State University is one of two major universities serving the State System of Higher Education. It includes a Division of Extension and Continuing Education and the Utah Agricultural Experiment Station under supporting federal legislation; colleges of Agriculture, Business, Education, Engineering, Family Life, Humanities-Arts-Social Sciences, Natural Resources, and Science; a School of Graduate Studies; a Summer School; a Division of International Studies and Programs. Programs of undergraduate, master's and doctoral instruction and research in these colleges as authorized receive emphasis, together with programs related to agriculture, land, water, forestry, food sciences, the development and maintenance of natural resources. Utah State University is a primary center of university research, of graduate and professional education, in the fields authorized and assigned to it.

Calendar

Quarter system. Regular session late September to early June. Freshmen admitted beginning each quarter. Degrees conferred in June. Summer session: eight weeks, mid-June to mid-August.

Admission

Applications should be submitted at least one month before registration.

Fees

Resident: Full-time tuition and fees (figured on a graduated tuition schedule) would be $285 per quarter for 15 credit hours or $855 per school year. Nonresident: Full-time tuition and fees average $790 per quarter or $2,370 per year. On-campus room and board averages $1986 per school year. Books and supplies about $450 per year. Married housing available.

Student Financial Aid

Varied scholarships along with the National Direct Student Loan, Educational Opportunity Grant, Basic Opportunity Grant, Student Work Study, and Guaranteed Student Loan programs are offered. Maximum freshman aid is about $4,000 per academic year. Scholarship applications for the following academic year are due February 15. Most programs can be obtained through the Financial Aid Form application. Guaranteed student loans and scholarships require a separate application. Student employment on and off campus is centralized under the Student Employment Office. Short-term loans for under $500 are available.

Special Academic Programs

Substantial research programs make an important contribution to the educational effort. They bring to light new knowledge, and at the same time provide research opportunities for graduate students. In addition, the research effort assists undergraduate education to a major degree, because many undergraduate students are able to participate in research projects with faculty and graduate students.

The Office of International Programs and Studies facilitates research and development activities in a number of overseas locations. Special programs to provide language training and other development of overseas capabilities are also sponsored. The Intensive English Language Institute assists international students to gain language capability for academic work. There are also opportunities for foreign study by university students.

Internships and cooperative education programs provide students with the opportunity to enrich their job training in connection with academic work.

Utah State provides the student the opportunity to individualize his bachelor's degree. Regular classwork can be combined with CLEP credits, advanced placement, special examination and other experiences in accumulating credits for a degree.

With the completion of the Kellogg Life Span Learning Complex, extensive offerings in meetings, conferences, classes, short courses, workshops and other academic programs for credit and non-credit are enhanced.

Continuing Education Centers in the Uintah Basin and in Southeastern Utah provide resident instructional programs leading to degrees and teacher certification for residents of those areas. A resident instructional staff is supplemented by a teaching staff brought to the areas from the Logan campus. Many other extension courses are offered at numerous locations throughout the state.

Degree Requirements For all bachelor's degrees, minimum 186 quarter units; approved general education courses; 60 upper division units; a professional component of approximately 122 units which includes the major, certification requirements, and all ancillary course work; 2.0 average on 4.0 scale; minimum residents 45 units including 15 of last 60. (See catalog for specific degree requirements.)

Student Life The University provides housing facilities for approximately 22 percent of the total student enrollment. Fraternities and sororities are available to students, and some of their members are housed in organizational housing. Cars permitted. University sponsors lyceum and concert series, drama and music programs. Logan (population 30,000) is 81 miles north of Salt Lake City and situated in beautiful Cache Valley (population 58,000).

R.O.T.C. Army, Air Force; optional 2 or 4 years.

Weber State College (1889) Ogden

President: Rodney H. Brady
Administrative Offices: Ogden, Utah 84408

Established as Weber Stake Academy by the Church of Jesus Christ of Latter-day Saints 1889, first instruction at college level 1916; became junior college 1923; state institution 1933; four-year college 1963; first baccalaureate 1964. Name change to Weber Academy 1908, Weber Normal College 1918; Weber College 1923; present name 1963.

Defined Role	Weber State College serves the system as a large four-year college near the center of state population. It offers undergraduate liberal education in the arts and sciences, authorized professional work in education, business, economics, allied health and technology for trade-technical education, plus an active continuing education program. It also offers a Master of Education degree which is intended to serve primarily in-service teachers from the public schools. The technical education program provides a variety of technical and paraprofessional work leading to baccalaureate degrees. Weber State College serves as a valuable source of professional and graduate students for transfer to the System's universities in Logan and Salt Lake City. Weber State College is also a significant receiving institution, having the capacity to accept undergraduate transfer students from the System's two technical colleges located nearby on the Wasatch Front as well as from the junior colleges and all four-year institutions.
Calendar	Quarter system. Regular session late September to early June. Summer quarter of eight weeks, mid-June to mid-August.
Admission	Freshmen admitted beginning each quarter. Applications should be submitted after sixth semester of high school, at least 30 days before registration.
Fees	Resident: Full-time tuition and fees $254 per quarter. Non-resident: $685 per quarter.

Student Financial Aid The financial aids available consist of grants, loans, scholarships and opportunities of work. The aid includes Basic Educational Opportunity Grant, Supplemental Educational Opportunity Grant, National Direct Student Loan, Guaranteed Student Loan, College Work-Study, Nursing Loan, State Student Incentive Grant, scholarships, etc. Approximately twenty-five percent of the enrollment receives some type of financial aid. Deadline for scholarships is February 1. Deadline for other programs is September 1 in order to insure assistance being available to registration time. Later applications are processed on a rolling basis as received. The Financial Aid Form is required.

Degree Requirements For bachelor of arts, bachelor of science and bachelor of general studies degrees: 183 quarter credit hours - 17-19 quarter credit hours of specific course requirements; 40 quarter credit hours of general area requirements; 60 upper division credit hours; 40-60 credit hours in a major; 20 (minimum) in minor: 2.0 average on a 4.0 scale minimum requirement; resident 45 credit hours including one quarter of senior year. For teacher education: 2.25 average. Associate degrees, institutional diplomas, and institutional certificates are awarded for special programs.

Student Life College resident halls house 144 women students in apartment-type facilities and 546 men and women in board and room facilities. No facilities on campus for married students. Some 8% of men and 9% of women join seven fraternities and five sororities. Cars permitted. College sponsors convocation series, art shows, drama, operas, musical programs, and many other community programs. Metropolitan Ogden (population 142,000) is 35 miles north of Salt Lake City.

Southern Utah State College (1897) Cedar City
President: Gerald R. Sherratt
Administrative Offices: Cedar City, Utah 84720

Established as Branch Normal School of University of Utah and first instruction 1897; transferred to Utah

State Agricultural College and name changed to Branch Agricultural College of Utah 1913; first baccalaureate awarded 1950; name changed to College of Southern Utah 1953; became independent institution 1965; present name adopted 1969.

Defined Role Southern Utah State College provides an educational opportunity within the Utah System of Higher Education for those whose needs are best served in a small, personal four-year comprehensive college with its residential life and sense of community. The College is authorized to offer courses leading to the baccalaureate degree in the arts and sciences, in teacher education, business and technology. The College offers approved pre-professional programs, certified programs in vocational and technical subjects, and agricultural subjects approved by the Board. It also cooperates with Utah State University in offering a Master of Education degree, serving primarily in-service teachers in the public schools, and Master of Social Science degree, emphasizing public administration. Opportunities exist in continuing education, also in community service and development commensurate with its approved curriculum and resources.

Calendar Quarter system. Regular session late September to early June. Students admitted September, January, March. Degrees conferred in June. Summer session: two 4 week terms, early June to early August.

Admission A ten dollar fee is required. Applications should be submitted before registration. Achievement tests are encouraged but not required.

Fees Resident: Full-time tuition and fees, $245 per quarter. Non-resident: $657 per quarter. On-campus room and board from $1,491 to $1,866 per year; room only $636 per year. ($50 deposit with application.)

Student Financial Aid All scholarship applications should be received prior to March 1 to be considered for awards the next autumn. The College participates in the National Direct Student Loans, Supplemental Educational Opportunity Grant, Basic Educational Opportunity Grant, Pell Grant, and the College Work Study programs. Applications for these programs should be submitted by June 1.

Nearly two-thirds of all undergraduates receive some aid annually. The College Scholarship Service (CSS) Financial Aid Form is required.

Degree Requirements For degrees: 183 quarter units; 55 units general education; 40-65 units in major, 22-35 in minor, and 62-90 for composite major. Students may earn up to 46 hours of credit of class waivers through a combination of advanced placement programs, CLEP, and other special examinations. See catalog for further details.

Student Life Twenty percent of students live in residence halls. There are campus apartments for married couples. Cars permitted. College sponsors annual Utah Shakespearean Festival. Theatre and art shows are jointly sponsored by community and school. Intercollegiate sports: men's and women's basketball and rodeo; men's football, baseball, track, and golf; women's volleyball, gymnastics, and softball. Major student activities: student government, theatre, forensics, skiing, hiking, religious and social organizations, intramural sports, yearbook, weekly newspaper, and literary magazine.

Dixie College (1911) St. George
President: Alton L. Wade
Administrative Offices: 225 South 700 East
St. George, Utah 84770

Established 1911 as a four-year high school by the Church of Jesus Christ of Latter Day Saints; junior college instruction added in 1916. The state assumed control in 1933. In 1963 the college separated from the high school and moved to its present 88.4-acre campus. The Obert C. Tanner Amphitheater at the mouth of Zion National Park increases the total campus to 201 acres.

Defined Roll Dixie College supports the philosophy of a rural comprehensive community college and accepts as its mission the responsibility to provide: (1) programs designed to prepare students to transfer to other senior level colleges and universities, (2) terminal occupational education programs, (3) continuing education programs, and (4) programs designed to provide special community services.

Calendar Quarter system. Regular session late September to early June. Freshmen register September, January, and March. Degrees conferred in June. Summer session.

Admission Open-door admission policy. No application fee required. Applications accepted up to the day of registration.

Fees Resident: Full-time tuition and fees $222 per academic quarter. Non-resident: Full-time tuition and fees $568 per academic quarter. On-campus room and board approximately $570 per quarter. On-campus housing is $220 per quarter. Married student housing is available.

Student Financial Aid Scholarship deadline is March 1. Students should have a 3.5 grade point average to apply for available academic scholarships. Some departmental scholarships are available in Music, Art, Drama, Speech, Journalism and other programs. National Direct Student Loans, Basic Educational Opportunity Grants, Supplemental Educational Opportunity Grant, State Student Incentive Grant, and Work Study Programs are available.

Degree Requirements In order to earn an associate degree, ninety-six quarter hours are required with a 2.0 average on a 4.0 scale. To qualify for graduation, the student must successfully complete at least nine hours of credit in the following divisions: Life, Physical and Social Sciences, and Humanities, as well as 9 credits in English, and 3 credits in Physical Education. Students may earn up to 46 hours of CLEP credits, may obtain credit or class waivers through advanced placement programs, may obtain credit by examination, or otherwise challenge any course curriculum. Providing certificate (oneand two-year) and/or associate degree may be earned in vocational programs in the division of Business and trades.

BUSINESS AND TRADES

Aero Technology
Auto Technology
Construction Technology
Drafting Technology
Flight Management
Industrial Arts
Marketing
Real Estate
Airline Flight Attendent
Business
Culinary Arts
Fashion Merchandising
Graphic Arts
Journalism
Metals Technology
Secretarial

NATURAL SCIENCE

Biology
Chemistry
Home Economics (including Applied Textiles)
Philosophy
Political Science
Mathematics
Nursing (LPN and RN)

Botony
Geology
Political Science
Psychology
Physics (Pre-engineering)
Zoology (predentistry, premedicine, premedical technology, wildlife science, Preveterinary science)

FINE AND PERFORMING ARTS

Art
Physical Education
Speech

Music
Recreation
Theatre Arts

HUMANITIES AND SOCIAL SCIENCE

Economics
English
Geography
Humanities
Spanish

Education
French
History
Sociology

Student Life Students not living with parents or guardians are encouraged to live on campus or in college-approved housing. Campus located 300 miles south of Salt Lake City, 110 miles northeast of Las Vegas, Nevada, in a city of approximately 15,000. Yearbook, weekly newspaper, literary magazine. Major student activities and organizations: national, state, and local fraternities and clubs on campus. Major sports: football, basketball, baseball tennis, track, rodeo. Competitive athletics for women. Automobiles allowed on campus.

SNOW COLLEGE (1888), Ephraim
President: Steven D. Bennion
Administrative Offices: Noyes Building
Ephraim, Utah 84627

Snow College was established as the Sanpete Stake Academy by the Church of Jesus Christ of Latter-day Saints. The name was changed to Snow Academy in 1900. Junior college instruction was first offered in 1923, and in 1933 Snow came under control of State Department of Public Instruction. In 1951, Snow became a branch of Utah State University and in 1969, a part of Utah System of Higher education.

Defined Role Snow College offers opportunities for students who wish a two-year combined residential and day-student college. The System's two-year colleges are intended to serve as viable, productive, community colleges, providing general educational, vocational opportunities and transfer options to the four-year colleges and universities.

Calendar Snow is on the quarter system. The regular session runs from late September to early June. Freshmen may enter any quarter. Associate degrees are conferred in June.

Admission There is an open door admission policy. No application fee is required. Applications are received up to the day of registration. The American College Test is recommended and used to advise students in their courses of study.

Fees For a resident, full-time tuition and fees are $222 per quarter. Non-resident full-time tuition and fees are $568 per quarter. The minimum on-campus room and board is $597 per quarter. On-campus housing is $292 per quarter. Married student housing is available.

Student Financial Aid The following types of financial aid are available: Scholarships (deadline March 1st), Pell Grants, Basic Education Opportunity Grant (BEOG), National Direct Student Loan (NDSL), College Work Study Program (CWSP), Supplemental Educational Opportunity Grant (SEOG), Utah Education Funds (UEDF), Guaranteed Student Loans (GSL) and State Student Incentive Grant (SSIG).

All programs except scholarships require the Financial Aid Form (FAF) to be processed. The Snow College Scholarship and Financial Aid application must be completed for all programs. The suggested financial aid application deadline is March 1. Applications received after this date are considered on a first come, first served basis, but are fully considered. Thirty-six percent of the students received some form of aid in 1980-81.

Degree Requirements

In order to obtain a degree, 96 quarter hours are required and a 1.7 average on a 4.0 scale. Following are prescribed courses: Associate in Science - Biological Sciences, English, Humanities, Physical Education, Physical Sciences, Social Sciences; for Associate in Applied Science - strong concentration in specific vocational-technical areas with modifications of the "general education" requirements of the above-listed degrees. The Certificate of Completion in technical areas also is available and may be awarded at any time in an academic year that the course is completed.

New Programs

Snow College has established in recent years an electronics program which has become a model throughout the state. The program is closely affiliated with industry, which accounts for state-of-the-art equipment being used and an excellent placement record. Snow College is also providing expanding opportunities in computer science, solar building construction and market management.

Accreditation

The accreditation of Snow College was reaffirmed in 1982 by the Northwest Association of Schools and Colleges. This reaffirmation is for a period of ten years.

College of Eastern Utah (1937) Price

President: James R. Randolph
Administrative Offices: 400 East 400 North,
Price, Utah 84501

Established by the Utah State Legislature in 1937 as Carbon College, a two year junior college-high school, controlled by the State Board of Education. Became a branch of the University of Utah in 1959, at which time the high school moved to its new campus. In 1965 the name was changed to the College of Eastern Utah and CEU became an integral part of the Utah State System of Higher Education under control of the State Board of Regents. CEU serves Carbon County residents through its campus in Price and provides extensive outreach service in San Juan County, through the San Juan Center with additional course offerings in Grand and Emery Counties.

Defined Role

The College of Eastern Utah is a rural community college serving a broad spectrum of people. The college provides educational opportunities of general flexible nature, with developmental, vocational, transfer and general education opportunities and community service. Situated in a city affording special cultural advantages, populated with people of high ethical and educational standards, CEU offers outstanding opportunities as a well-integrated two-year community college.

Calendar Quarter system. Regular late September to early June. Freshmen may enter September, January, and March. An increasing number of courses are being offered on an open-entry, open-exit basis. Degrees conferred in June. Summer session: eight-week session, mid-June to mid-August.

Admission Open-door admission policy. A five-dollar application fee is required. Applications received up to the day of registration.

Tuition and Fees Resident: Full-time tuition and fees $651 per school year. Nonresident: Full-time tuition and fees $1,689 per school year. On-campus room and board $2,000 per school year.

Student Financial Aid Scholarships along with National Direct Student Loan, Supplemental Educational Opportunity Grant, Basic Educational Opportunity Grant, State Student Incentive Grants, Utah Education Fund Grants, and Student Work Study Programs are offered. Deadline for scholarship application is March 1, for all other aid, April 1. Late date for financial aid applications is August 1.

A Financial Aid Form and Basic Grant Student Eligibility Report are required for all student aid. CEU also participates in the Guaranteed Student Loan Program.

Degree Requirements Associate in Science, 93 quarter hours required. Physical Education, three quarter hours; nine quarter hours in each of the following: English (includes Speech), Humanities; Physical Science, Social Science, Life Science, Associate in Arts, same as A.S. with additional 15 hours in a foreign language, specific courses in voc-tech areas and general education; Associate in Applied Science, 93 quarter hours. Certificates of completion may be awarded on completion of prescribed courses. 2.0 average required for graduation.

Divisions Humanities and Social Science, Natural Science, Applied Science (Vocational-Technical).

Student Life On-campus housing is available. Campus is located in Price, a city of approximately 12,000, 120 miles from Salt Lake City. Student newspaper. Major student activities and organizations: student government, service and religious groups, speech and drama, fraternities, music. Major sports: football, basketball, baseball, track, women's volleyball, basketball, and softball. Automobiles allowed on campus.

Utah Technical College at Provo (1941)

President: J. Marvin Higbee
Administrative Offices: Orem Campus
Mail Address: P.O. Box 1609,
Provo, Utah 84603

Established in 1941 as Central Utah Vocational School under the auspices of the four public school districts in Utah County. Made a state institution in 1947. The name was changed in 1963 to Utah Trade Technical Institute and in 1967 to Utah Technical College at Provo. To accommodate growth, the Orem Campus was constructed and occupied in 1976 creating a division of operations between the two campuses.

Defined Role Utah Technical College at Provo is an accredited, open-door, comprehensive community college, which provides curriculums and related student services in vocational, technical, business, health, general education and paraprofessional subjects. The college offers the Associate of Applied Science Degree, the Associate of Science Degree and Certificates of Completion, as well as complete transfer curricula for most baccalaureate programs in the state. With short courses, regular courses, and evening courses (credit and non-credit), Utah Technical College at Provo provides significant educational training and employment opportunities. The programs provided at Utah Technical College at Provo have been designed to meet the requirements of modern business and industry; to transfer for further education; and to provide essential general education to prepare individuals for their roles as citizens, consumers and family members. Under the Higher Educationi Act of 1969, this institution has taken its place as a significant element in the Utah System of Higher Education.

Calendar Quarter system. Regular session late September to early June. Freshmen may enter any quarter - Fall, Winter, Spring, or Summer. Degrees are awarded each quarter.

Admission Open-door admission policy. Some majors require prerequistie screening. Application fee of $10 required.

Tuition and Fees Resident: Full-time tuition and fees $627 per school year. Nonresident: Full-time tuition and fees $1,665 per school year.

Housing No campus housing. Community housing is available.

Student Financial Aid Scholarship and tuition waivers are available. Scholarship deadlines are February 1 for incoming students (from high school), and May 1 for returning students. An Application for Federal Student Aid (AFSA) is required for Pell Grants, National Direct Student Loans, Supplemental Educational Opportunity Grants, State Student Incentive Grants, and Work Study Programs.

Degree Requirements Associate of Applied Science Degree: Minimum of 96 credit hours, 2.0 average on 4.0 scale required. Prescribed vocational courses and 24 hours of general education courses taken from the following areas: Humanities, Social Science, Biological and Physical Sciences, and electives.

Associate of Science Degree: Minimum of 96 credit hours, which includes a minimum of 56 credits prescribed in general education.

One-year and two-year Certificates of Completion are also available.

Divisions Schools of: Business, General Education, and Learning Services; Technology, Health, and Transportation; and Trades, Industry, and Human Services.

Student Life College has a student newspaper. Activities include clubs, Associated Students, class organizations, craft center, intercollegiate and intramural sports, outdoor recreation, and physical education programs.

Major sports: baseball, rodeo, volleyball, and basketball. Religious facilities are convenient to campus.

Parking Automobiles and motorcycles with valid parking permits are allowed on campus in designated areas. Bicycle racks are also provided.

Utah Technical College at Salt Lake

President: Orville D. Carnahan
Administrative Offices: 4600 South Redwood Road
Salt Lake City, Utah 84107

Established in 1947 by the Utah Legislature as Salt Lake Area Vocational School. Name changed to Salt Lake Trade Technical Institute in 1959. The present name originated in 1967 when the College moved to 105 acre campus at 4600 So. Redwood Road with new modern facilities. Fully accredited by the Northwest Association of Secondary and Higher Schools.

Defined Role Utah Technical College at Salt Lake emphasizes vocational, technical and paraprofessional subjects. These are combined with authorized programs in general education, including the two-year Associate of Science Degree (AS) and the Associate of Applied Science degree (AAS). With short courses, evening courses - credit and non-credit - the Utah Technical College at Salt Lake provides significant educational training and employment opportunities. Transfer possibilities, especially to Weber State College and Utah State University with their four-year Schools of Technology, are open to graduates of the Technical Colleges. Transfer possibilities elsewhere in the system may be arranged. Utah Technical College at Salt Lake offers vital technical training required for the conditions of modern life, combined with essential liberal and general education. Under the Higher Education Act of 1969, this institution has taken its place as a significant element of the Utah System of Higher Education.

Calendar Quarter system. Regular session, late September to early June. Freshmen may enter most courses any quarter. Summer session is held from mid-June to late August. Degrees conferred each quarter; graduation ceremonies in June.

Admission Open-door policy. $10 application fee required. Applications should be received 30 days prior to enrollment.

Fees	Resident: Full-time tuition and fees $576 per school year. Non-resident: Full-time tuition and fees $1614 per school year. No campus housing available.
Student Financial Aid	Scholarships, along with National Direct Student Loan, Educational Opportunity Grant and college Work Study Programs are offered. Deadline for scholarship applications is March 1. Confidential Statement is required for all student federal aid.
Veterans Benefits	Approved by Veterans Administration for veterans, surviving children and widows, including work-study program.
Divisions	Schools of: Business, Technology and General Education, Trades and Industry, External Programs and Continuing Education and Skills Center.
Degree	Associate of Science (AS) Degree: The Associate of Science Degree is recognized nationally as fulfilling the first two years of a Baccalaureate Degree and will satisfy the general education requirements in all four-year institutions in the Utah System of Higher Education. It requires a minimum of 96 credit hours which includes at least 48 hours of general education with specific class requirements in English, Humanities, Life Science, Physical Science, Social Science and Physical Education. Associate in Applied Science (AAS): The degree requires a minimum of 96 credit hours which includes English 101 and 21 additional hours of general education credit in at least three of the following four areas: English, Humanities, Life Science, Physical Science and Social Science.
Student Life	Student Newspaper. Major student activities and organizations: Associated Students, class organizations, variety of service and special organizations. Intramural sports only. Automobiles allowed on campus.

Index

Academic Affairs 15
Administrative Staff xiv
Budgets and Finance 64
Capital Facilities 104
Commissioner of Higher Education
  Report of 1
  Staff of xiv
Contents v
Counties providing greatest enrollment 97
Defined Roles (see institutional profiles)
Degrees Conferred 24
  Comparative Chart 24
  System Totals 28
  Bachelor awards 32
  Master awards 37
  Doctorate awards 39
  First professional awards 44
  Associate awards 53
  Certificates of Completion 54
  Short course recognition 54
  Teacher certification 60
Education and General Revenues 74
Enrollments
  Headcount 87
  FTE 88
  Foreign 96
  States providing greatest enrollment 100
  Veterans 103
  Vocational-Technical 88
Events of the Year 5
Expenditures for Operations by Institutions 72
Fees 71
Foreword ii
High School Graduate Intentions 84
Institutional Councils x
Institutional Profiles
  University of Utah 114
  Utah State University 116
  Weber State College 119
  Southern Utah State College 120
  Dixie College 122
  Snow College 124
  College of Eastern Utah 126
  Utah Technical College/Utah 128
  Utah Technical College/Salt Lake 130
Internal Audit Section 68

KUED 76
Legislative Appropriations Operations 70
Legislative Study Committee on Higher Education viii
Map of State 96, 112
Office of the Commissioner
  Administrative Staff xiv
Planning 75
Regents (see State Board of -)
Roles and Curricular Studies
  Programs Approved 17
  In Progress 22
  Programs disapproved or discontinued 19
  Changes in academic programs 19
Revenue for Operations by Institutions 72
State Board of Regents
  Committees xii
  Membership vii
  Picture xiii
Statewide Educational Television 76
Student Loan Program 67
Study Committee, Legislative viii
Table Indexes
  Degrees Conferred 25
  Budgets and Finance 66
  Planning and Enrollment 86
  Capital Facilities 107
Teacher Certification
  Number recommended 60
  Accepting Utah positions 62
Tuition and fees 71
Veterans
  Approval program 78
  Qualifying Institutions 79
  Graduates 103
Vocational-Technical Education
  Enrollments 91
WICHE
  Report 23